

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035435.D
 Acq On : 18 Aug 2020 3:10
 Operator : SY/AP
 Sample : L3699-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DR-1DL

Quant Time: Aug 18 06:55:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1165143	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5365041	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5304460	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3854023	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

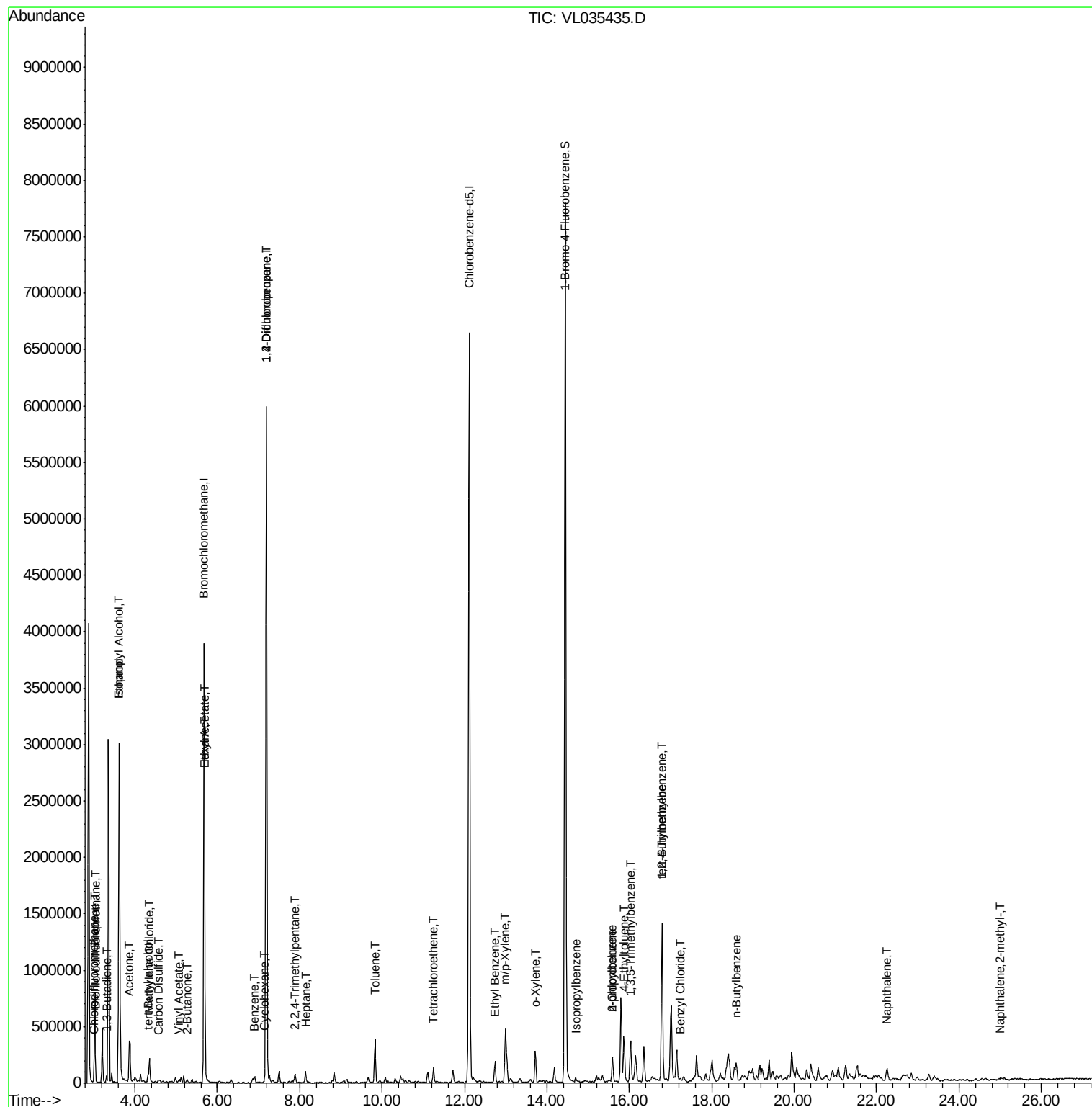
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	13255	0.061	ppbv	99
3) Chlorodifluoromethane	2.99	51	6086	0.042	ppbv	97
9) Propene	3.02	41	157164	2.676	ppbv #	64
10) Heptane	8.14	43	24818	0.161	ppbv #	40
13) Ethanol	3.62	45	3701723	172.063	ppbv	97
15) Acetone	3.86	43	360784	2.690	ppbv	91
16) 1,3-Butadiene	3.31	39	15030	0.276	ppbv #	9
17) tert-Butyl alcohol	4.32	59	73061	0.422	ppbv	99
19) Isopropyl Alcohol	3.62	45	3701723	40.048	ppbv #	97
20) Methylene Chloride	4.35	84	85373	0.789	ppbv #	60
23) Vinyl Acetate	5.07	43	10037	0.052	ppbv #	23
25) Ethyl Acetate	5.70	43	28746	0.110	ppbv #	81
26) Hexane	5.70	57	47196	0.320	ppbv #	33
27) Carbon Disulfide	4.56	76	11892	0.056	ppbv #	80
30) Cyclohexane	7.14	84	7586	0.046	ppbv #	28
34) 2-Butanone	5.26	43	27287	0.152	ppbv #	64
36) Benzene	6.90	78	41574	0.106	ppbv #	91
39) 1,2-Dichloropropane	7.19	63	925793	7.134	ppbv #	24
44) 2,2,4-Trimethylpentane	7.89	57	63568	0.124	ppbv #	88
52) Tetrachloroethene	11.25	164	38079	0.159	ppbv #	82
53) Toluene	9.83	91	316289	0.624	ppbv	98
58) Ethyl Benzene	12.74	91	174314	0.272	ppbv	94
59) m/p-Xylene	12.99	91	516855	0.955	ppbv #	83
60) o-Xylene	13.72	91	228630	0.435	ppbv	90
62) Isopropylbenzene	14.70	105	36272	0.042	ppbv	96
64) n-propylbenzene	15.59	120	37101	0.140	ppbv #	31
65) tert-Butylbenzene	16.79	119	141878	0.169	ppbv #	88
66) Benzyl Chloride	17.24	91	7236	0.036	ppbv #	67
70) n-Butylbenzene	18.59	91	34013	0.037	ppbv #	1
71) 2-Chlorotoluene	15.59	91	153437	0.245	ppbv #	48
72) 4-Ethyltoluene	15.87	105	370934	0.537	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.03	105	292735	0.456	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	1173647	1.681	ppbv #	70
79) Naphthalene	22.25	128	60406	0.061	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	12368	0.030	ppbv	90

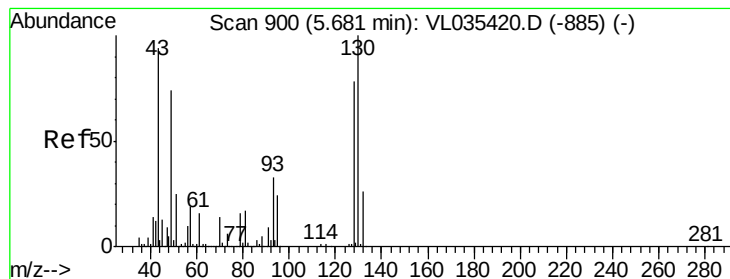
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

DR-1DL

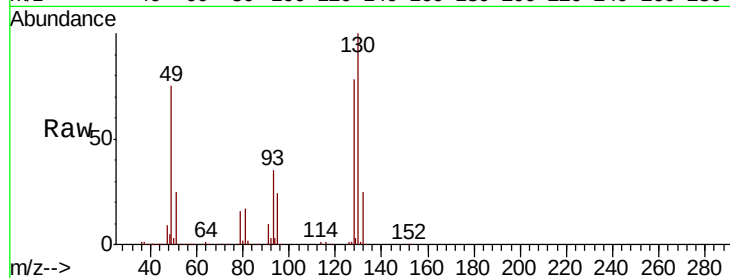
Tot Ion: 49 Resp: 1165143

Ion Ratio Lower Upper

49 100

128 104.7 20.9 62.7#

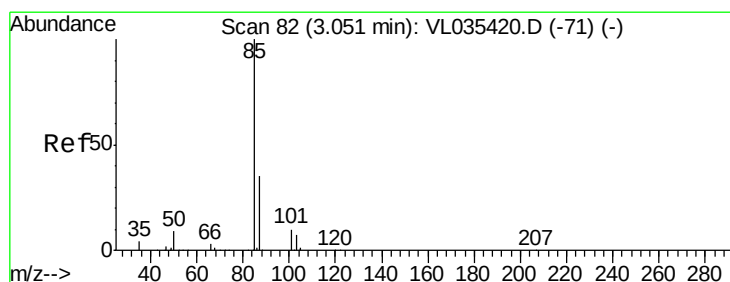
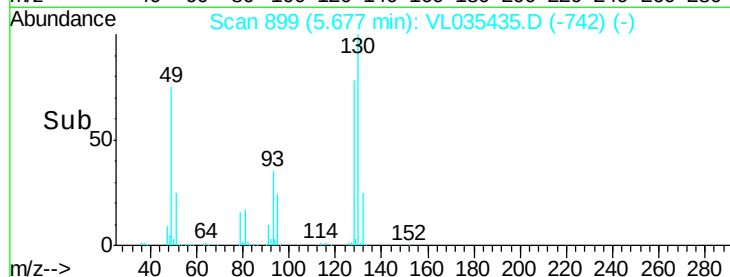
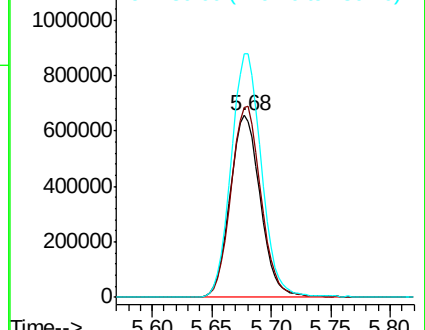
130 134.7 26.7 80.1#



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035435.D

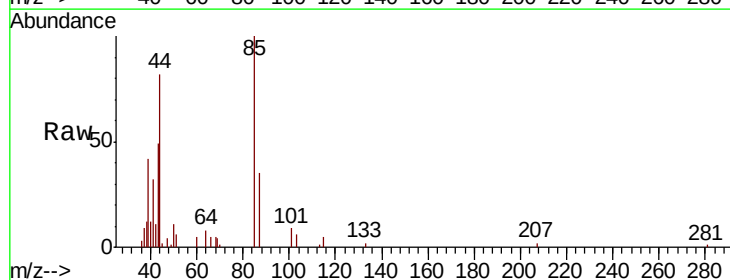
Acq: 18 Aug 2020 3:10

Tgt Ion: 85 Resp: 13255

Ion Ratio Lower Upper

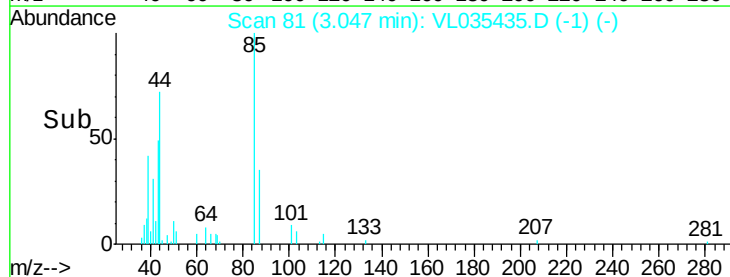
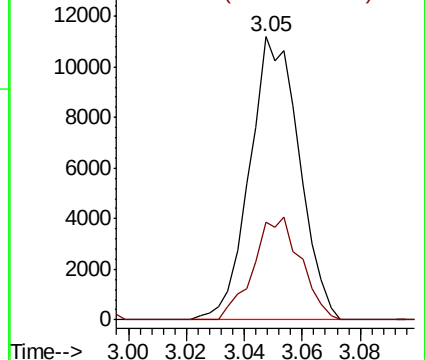
85 100

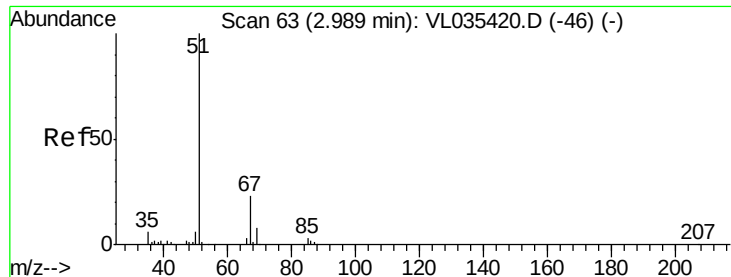
87 34.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.042 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

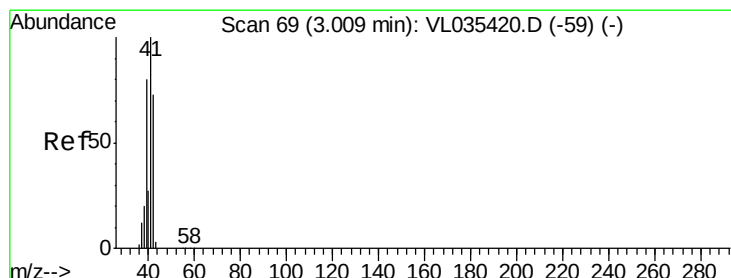
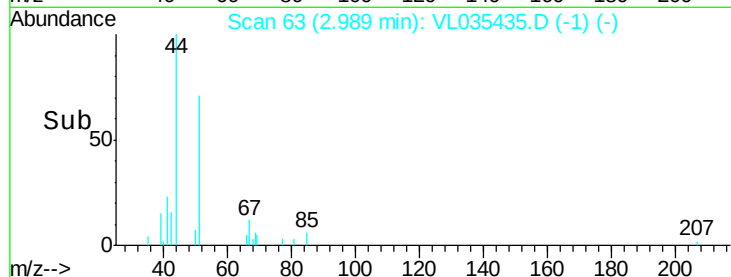
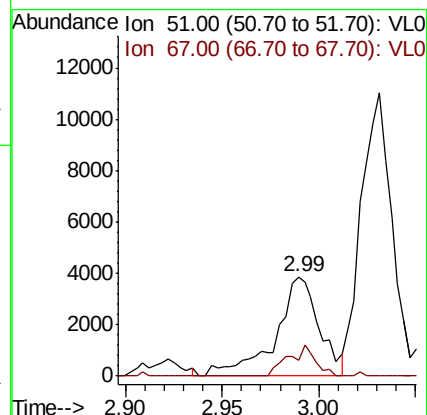
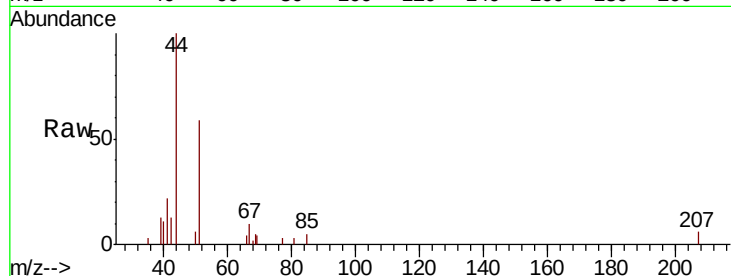
DR-1DL

Tot Ion: 51 Resp: 6086

Ion Ratio Lower Upper

51 100

67 19.9 15.0 22.6



#9

Propene

Concen: 2.676 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL035435.D

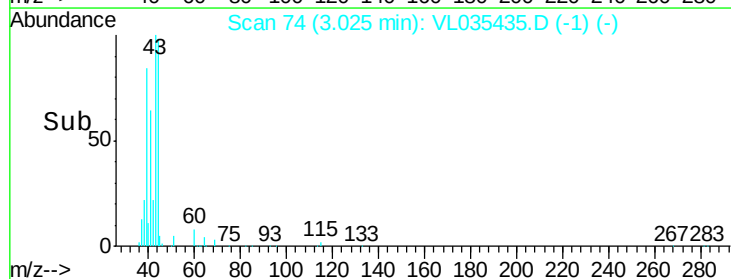
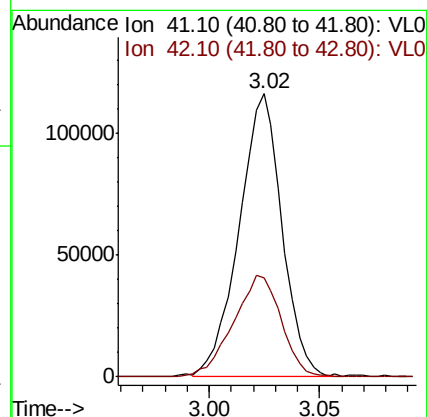
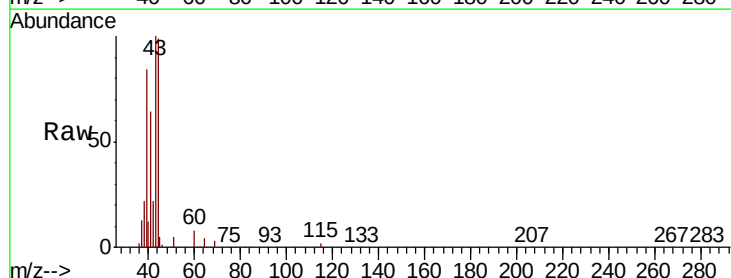
Acq: 18 Aug 2020 3:10

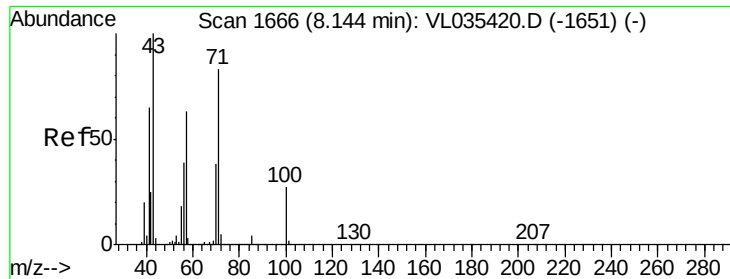
Tgt Ion: 41 Resp: 157164

Ion Ratio Lower Upper

41 100

42 40.2 55.5 83.3#

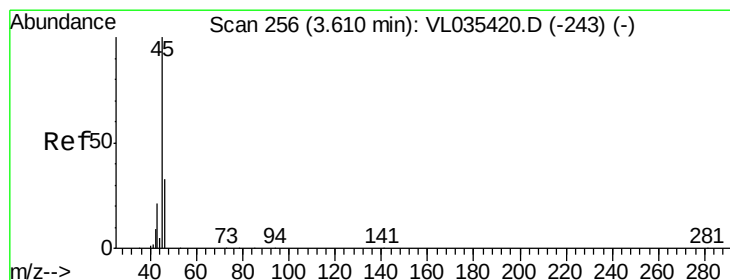
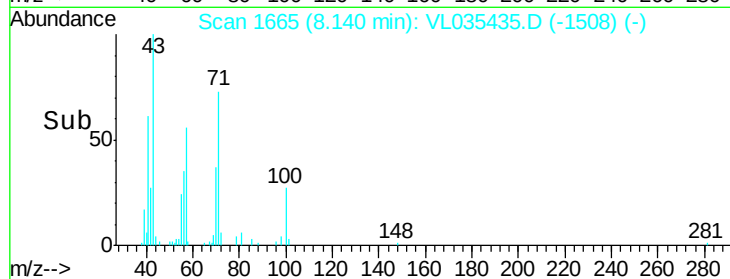
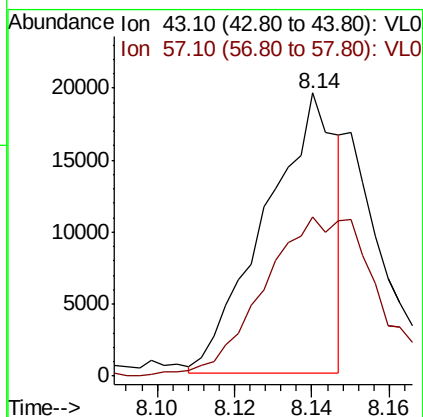
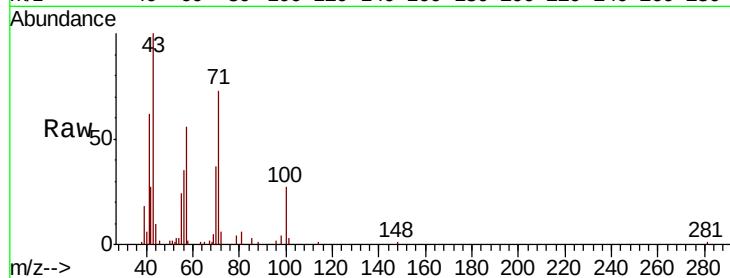




#10
Heptane
Concen: 0.161 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

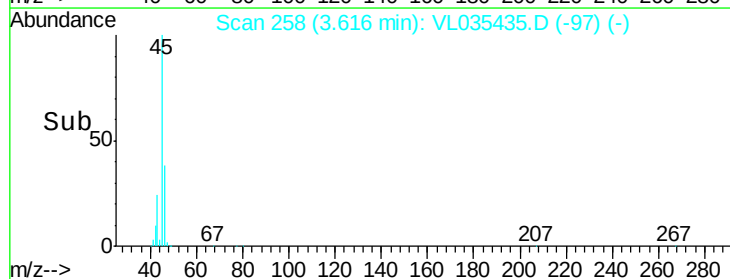
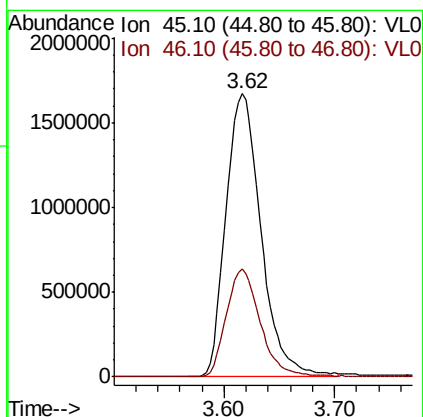
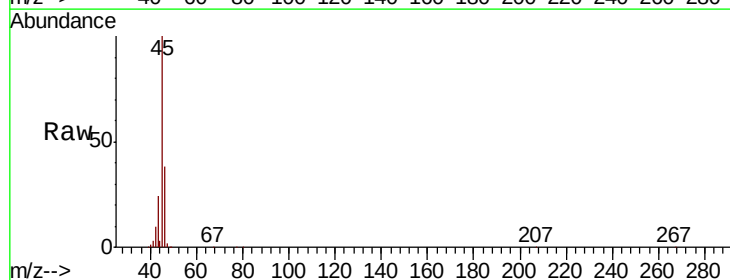
Instrument :
MSVOA_L
ClientSampleId :
DR-1DL

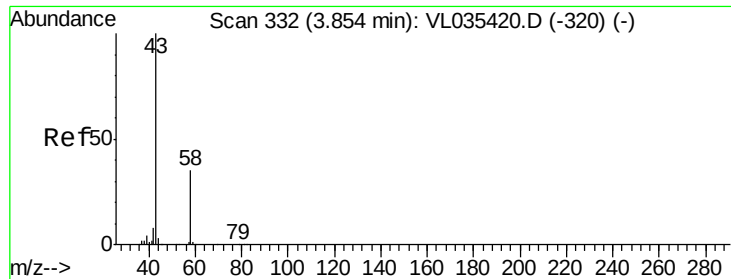
Tot Ion: 43 Resp: 24818
Ion Ratio Lower Upper
43 100
57 90.8 39.8 59.6#



#13
Ethanol
Concen: 172.063 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

Tgt Ion: 45 Resp: 3701723
Ion Ratio Lower Upper
45 100
46 37.1 14.2 56.6





#15

Acetone

Concen: 2.690 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

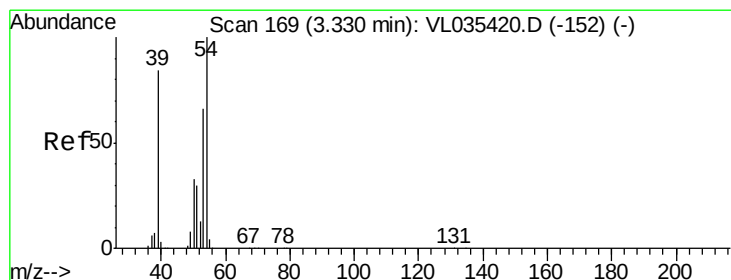
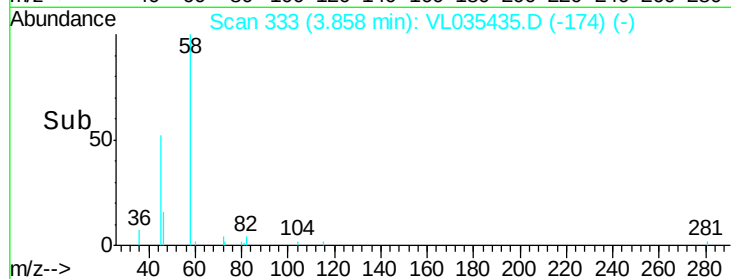
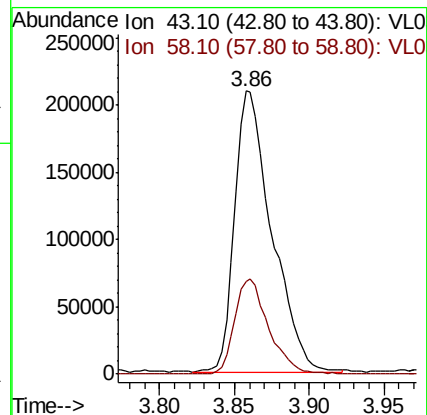
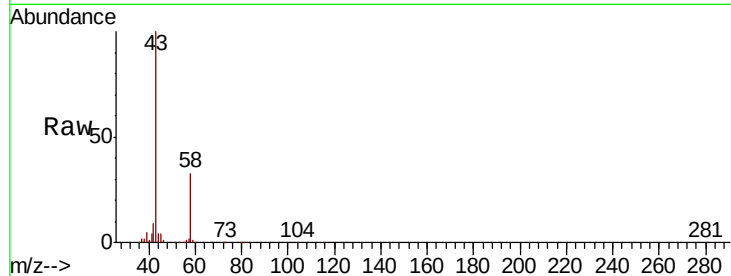
DR-1DL

Tot Ion: 43 Resp: 360784

Ion Ratio Lower Upper

43 100

58 31.2 21.0 31.6



#16

1,3-Butadiene

Concen: 0.276 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL035435.D

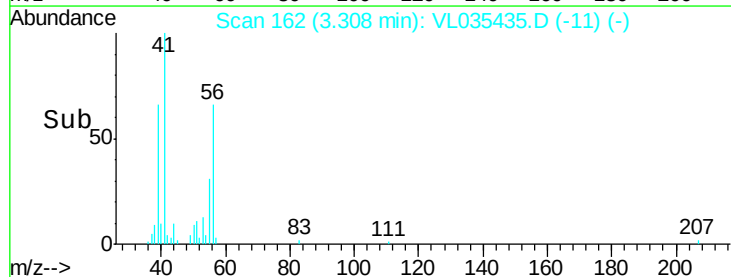
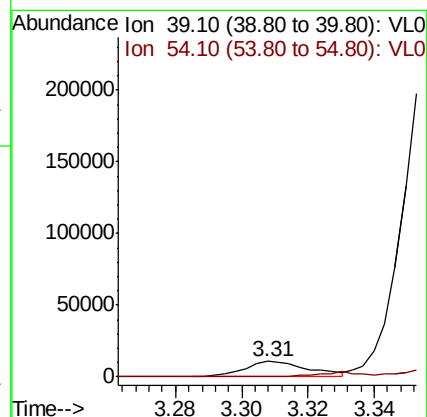
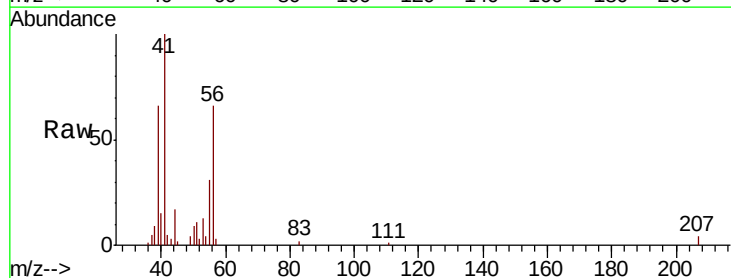
Acq: 18 Aug 2020 3:10

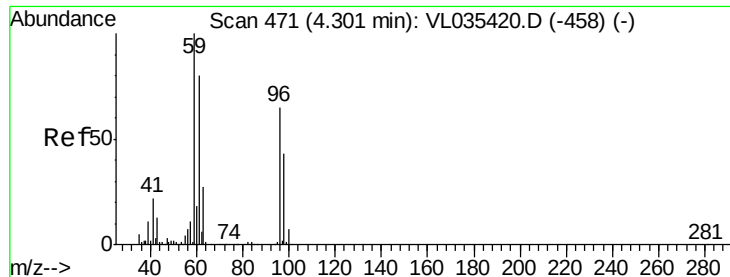
Tgt Ion: 39 Resp: 15030

Ion Ratio Lower Upper

39 100

54 0.0 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.422 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.03 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

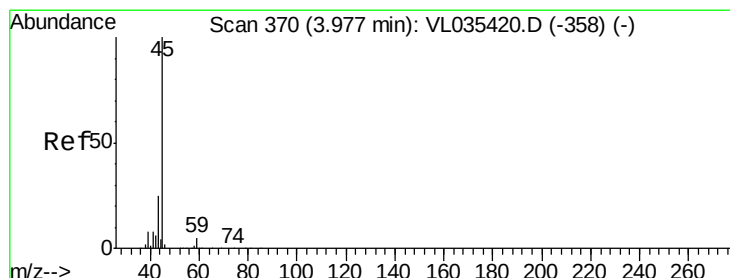
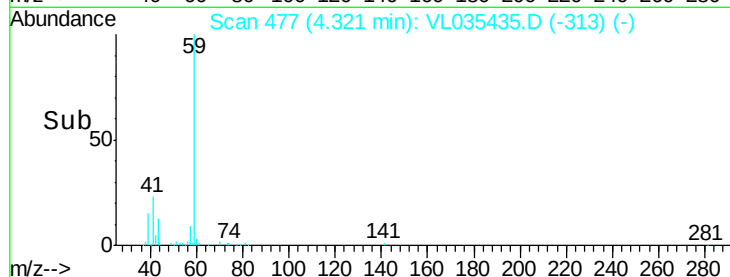
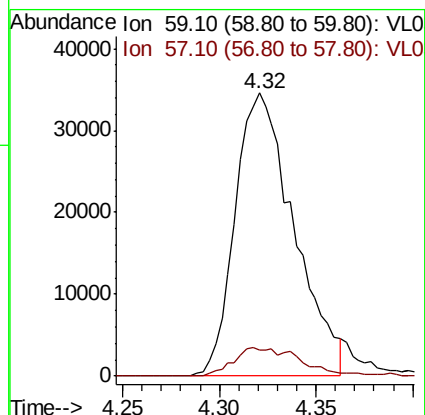
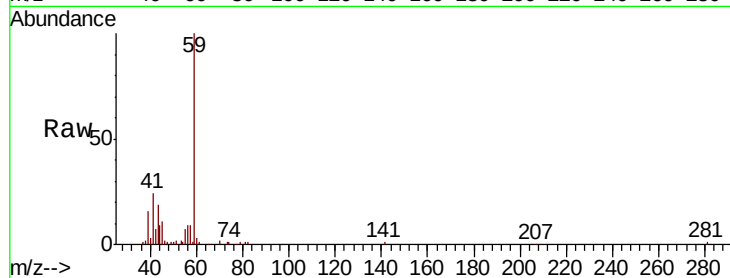
DR-1DL

Tot Ion: 59 Resp: 73061

Ion Ratio Lower Upper

59 100

57 11.7 8.9 13.3



#19

Isopropyl Alcohol

Concen: 40.048 ppbv

RT: 3.62 min Scan# 258

Delta R.T. -0.35 min

Lab File: VL035435.D

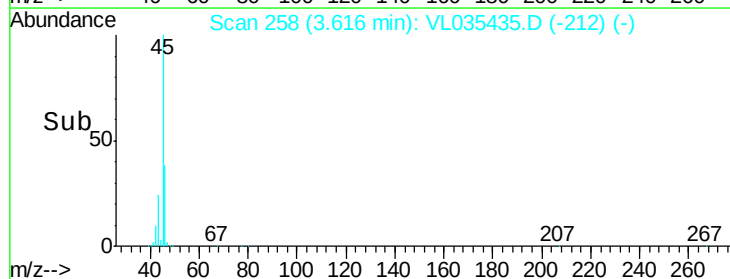
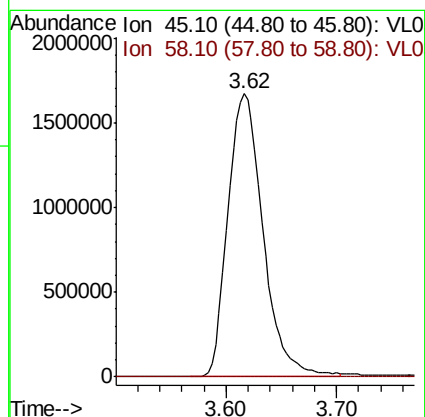
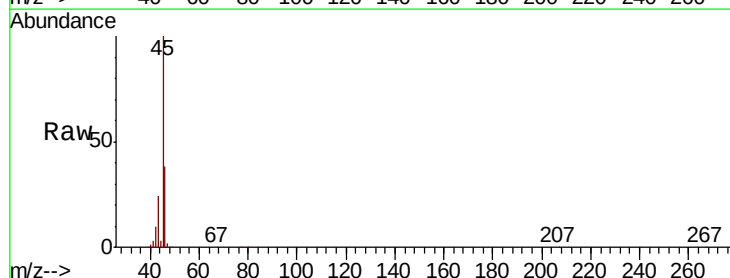
Acq: 18 Aug 2020 3:10

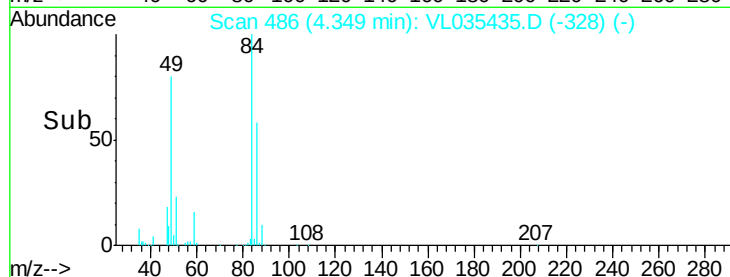
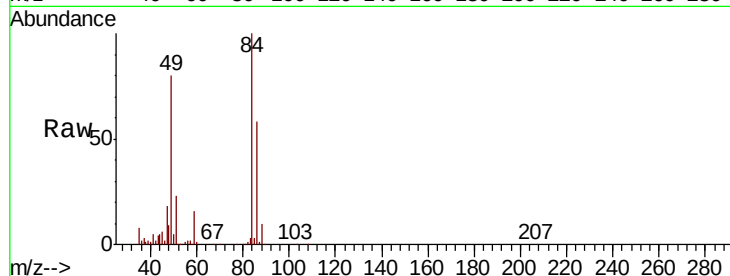
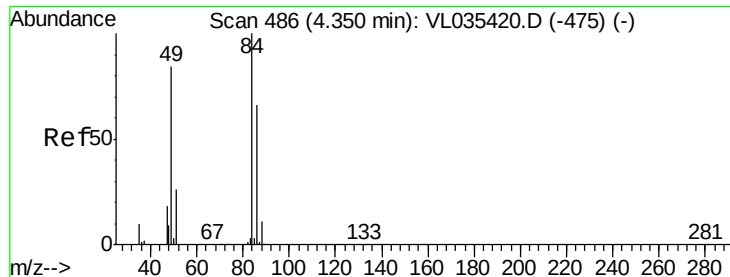
Tgt Ion: 45 Resp: 3701723

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#

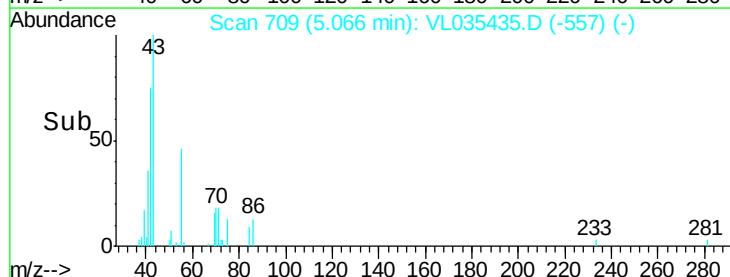
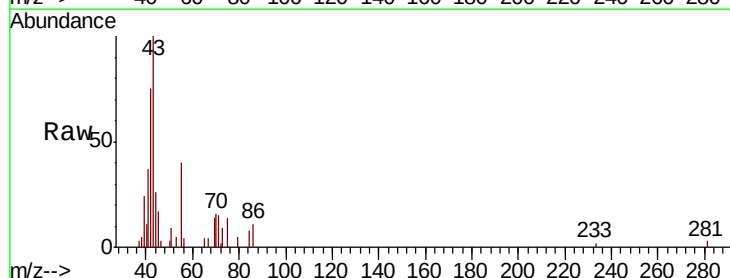
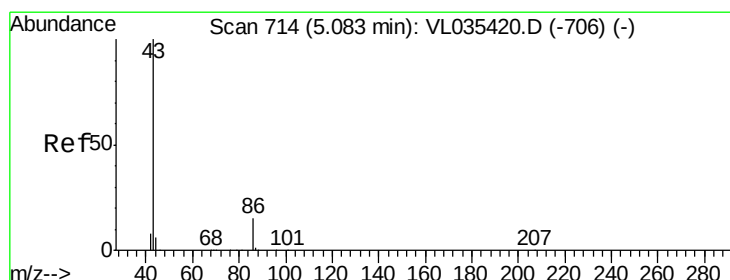
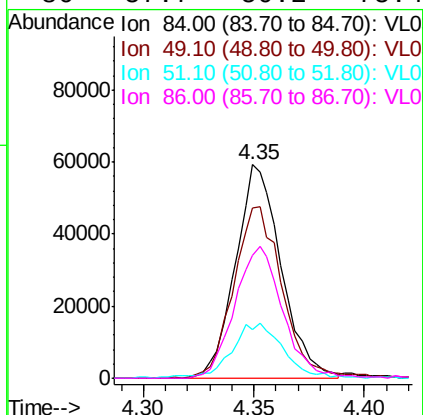




#20
Methvlene Chloride
Concen: 0.789 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

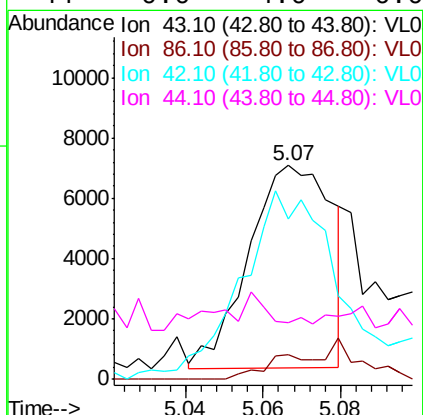
Instrument :
MSVOA_L
ClientSampleId :
DR-1DL

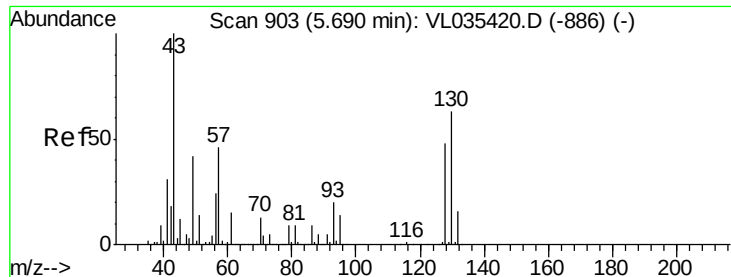
Tot Ion:	84	Resp:	85373
Ion	Ratio	Lower	Upper
84	100		
49	79.3	118.6	177.8#
51	21.9	36.4	54.6#
86	57.7	50.2	75.4



#23
Vinyl Acetate
Concen: 0.052 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

Tgt Ion:	43	Resp:	10037
Ion	Ratio	Lower	Upper
43	100		
86	12.4	6.5	9.7#
42	69.2	8.3	12.5#
44	0.0	4.0	6.0#





#25

Ethyl Acetate

Concen: 0.110 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampled :

DR-1DL

Tot Ion: 43 Resp: 28746

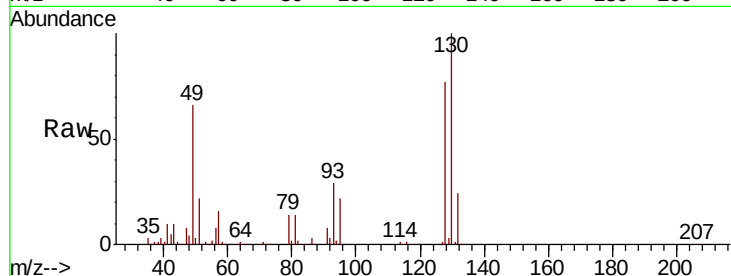
Ion Ratio Lower Upper

43 100

45 3.1 8.3 12.5#

61 0.0 7.6 11.4#

70 3.8 6.0 9.0#



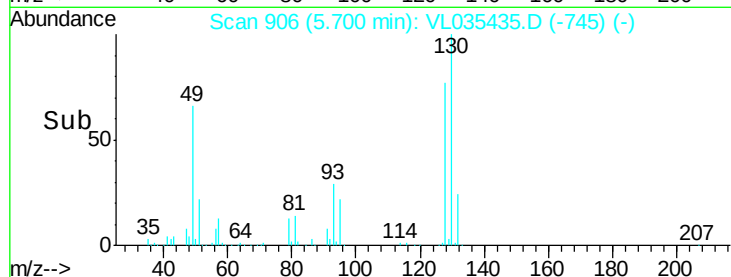
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Time-->



Abundance

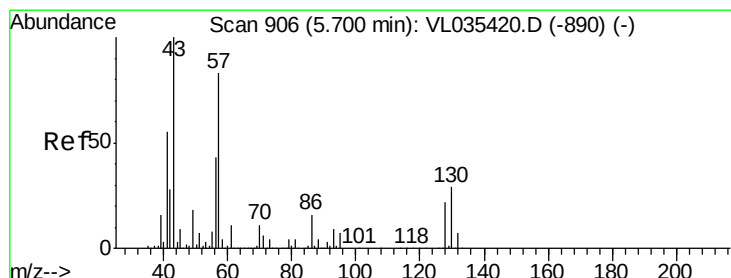
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Time-->



#26

Hexane

Concen: 0.320 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Tgt Ion: 57 Resp: 47196

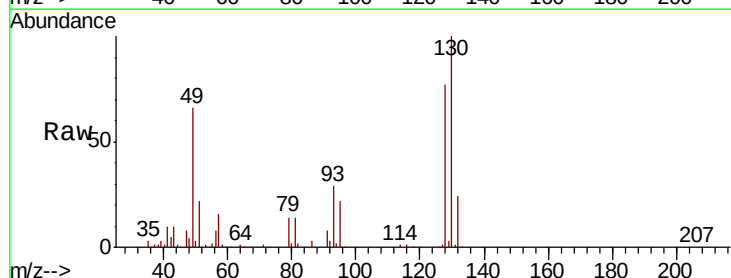
Ion Ratio Lower Upper

57 100

41 67.0 75.5 113.3#

43 65.7 181.7 272.5#

56 53.2 42.4 63.6



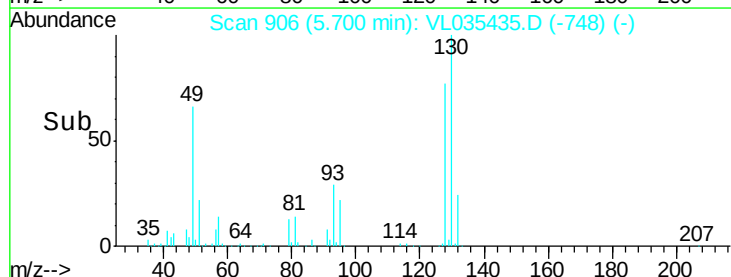
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->



Abundance

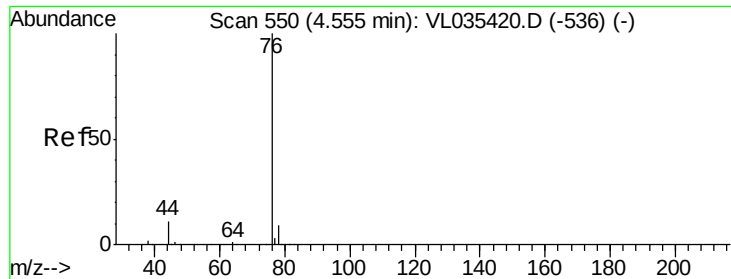
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->



#27

Carbon Disulfide

Concen: 0.056 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

DR-1DL

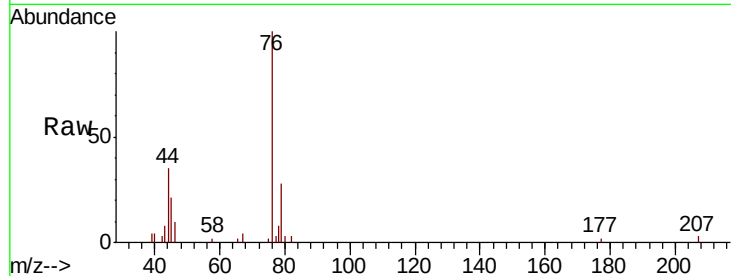
Tot Ion: 76 Resp: 11892

Ion Ratio Lower Upper

76 100

44 29.3 16.8 25.2#

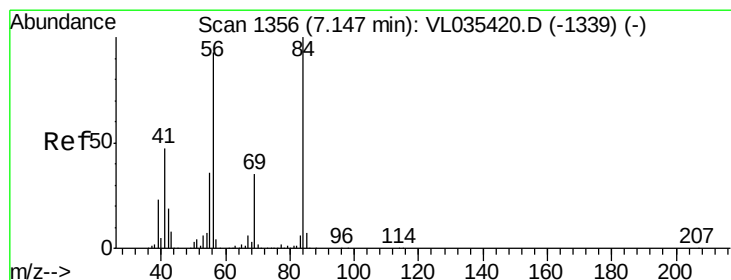
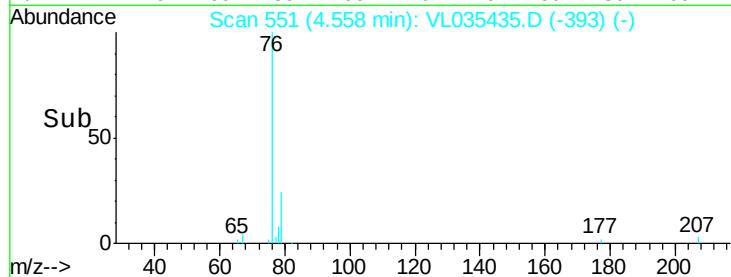
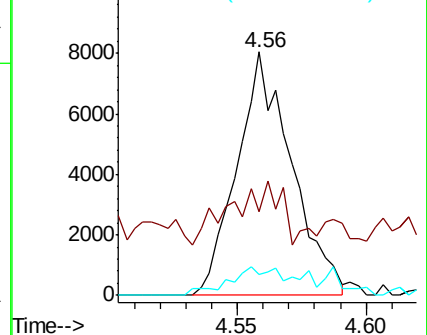
78 17.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.046 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

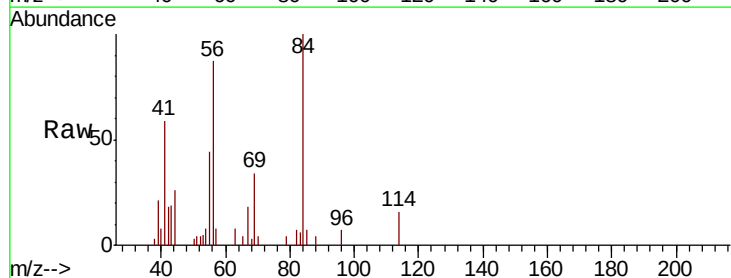
Tgt Ion: 84 Resp: 7586

Ion Ratio Lower Upper

84 100

56 0.0 114.9 172.3#

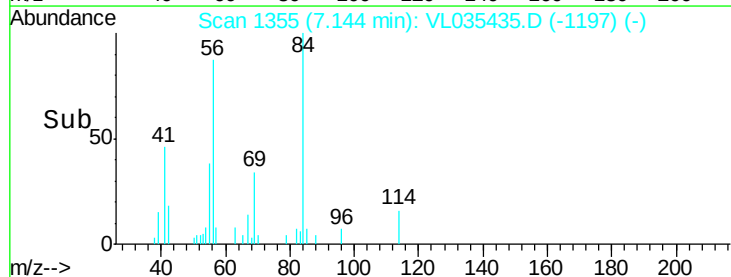
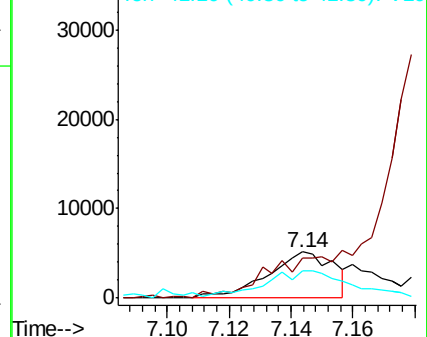
41 92.5 72.3 108.5

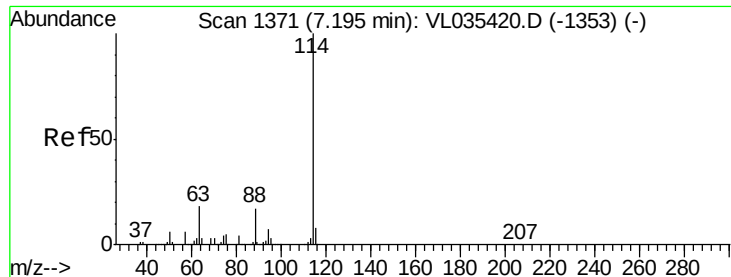


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

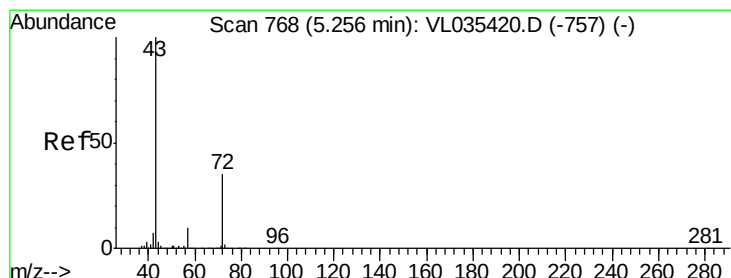
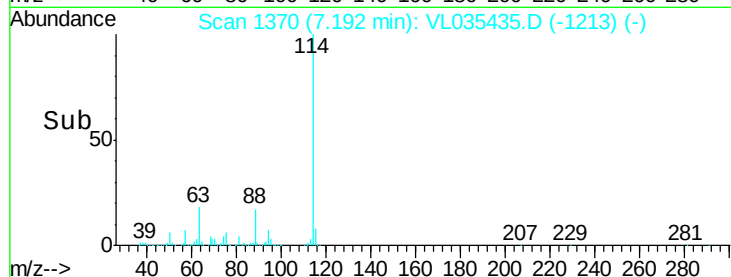
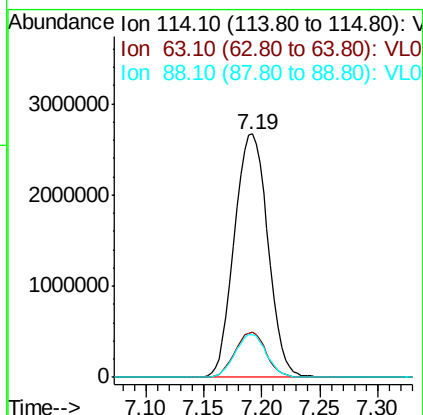
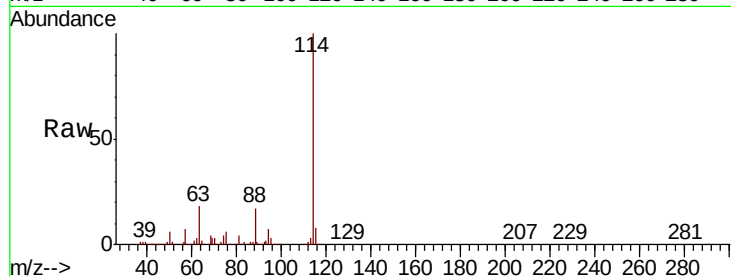




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035435.D
 Acq: 18 Aug 2020 3:10

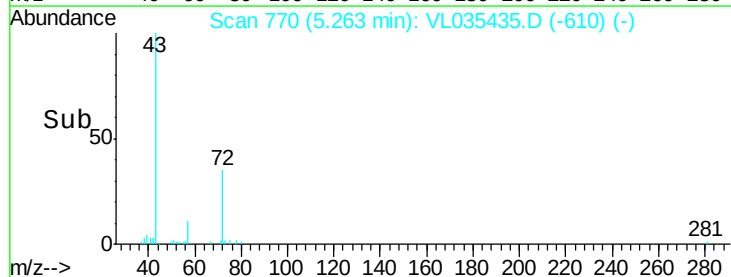
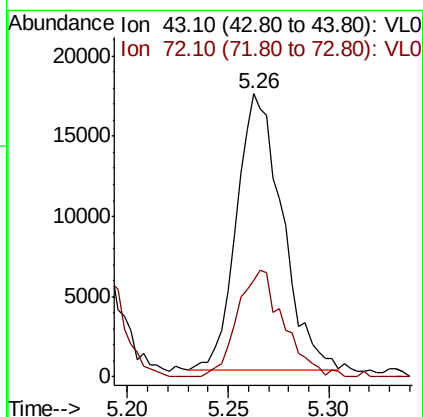
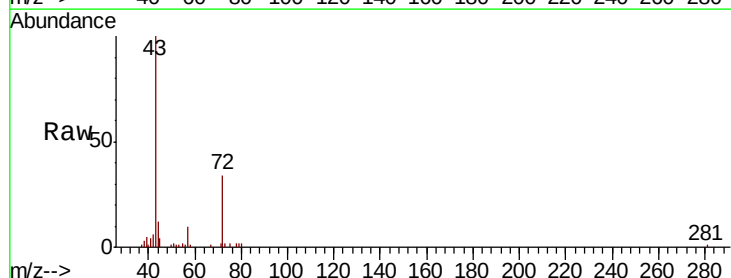
Instrument :
 MSVOA_L
 ClientSampleId :
 DR-1DL

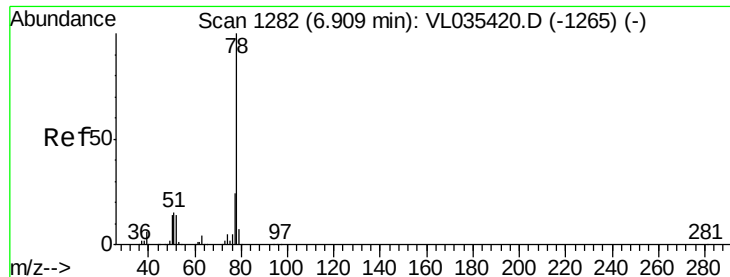
Tot Ion:114 Resp: 5365041
 Ion Ratio Lower Upper
 114 100
 63 17.3 23.1 34.7#
 88 16.5 15.9 23.9



#34
 2-Butanone
 Concen: 0.152 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL035435.D
 Acq: 18 Aug 2020 3:10

Tgt Ion: 43 Resp: 27287
 Ion Ratio Lower Upper
 43 100
 72 39.4 17.6 26.4#





#36

Benzene

Concen: 0.106 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

DR-1DL

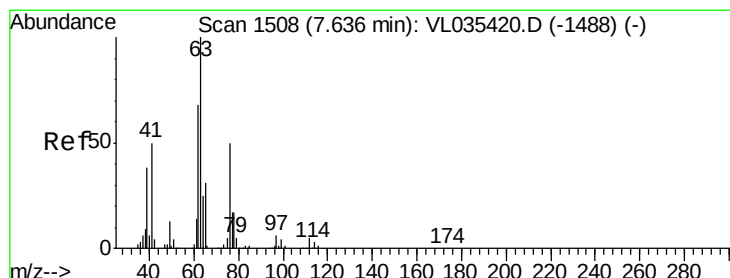
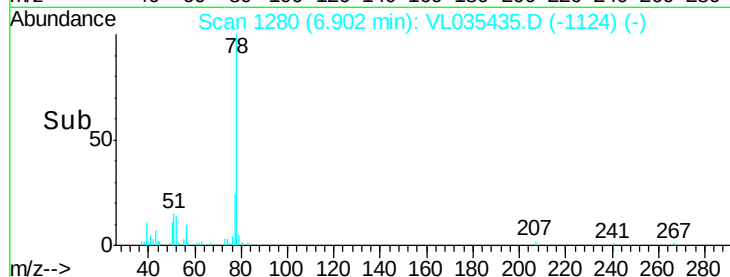
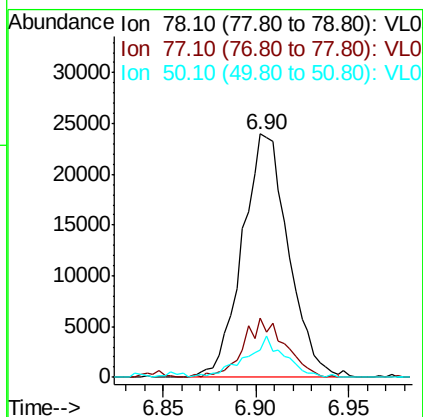
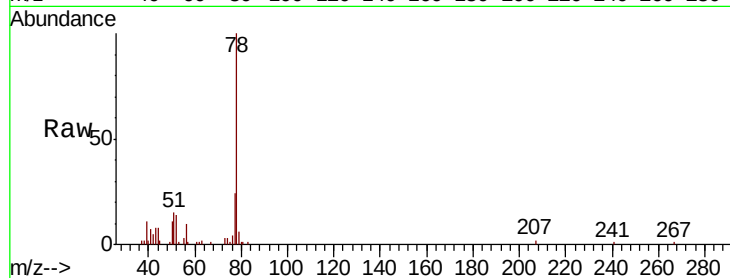
Tot Ion: 78 Resp: 41574

Ion Ratio Lower Upper

78 100

77 24.4 19.6 29.4

50 11.0 16.3 24.5#



#39

1,2-Dichloropropane

Concen: 7.134 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.43 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

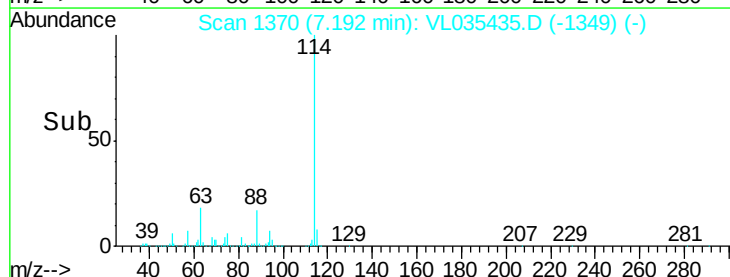
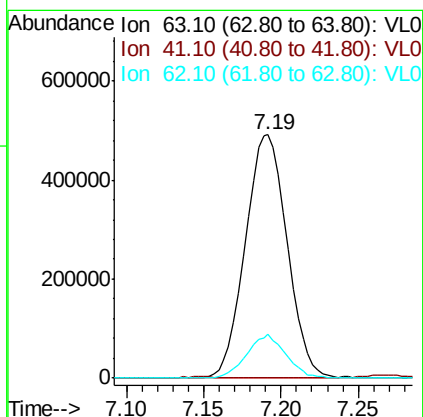
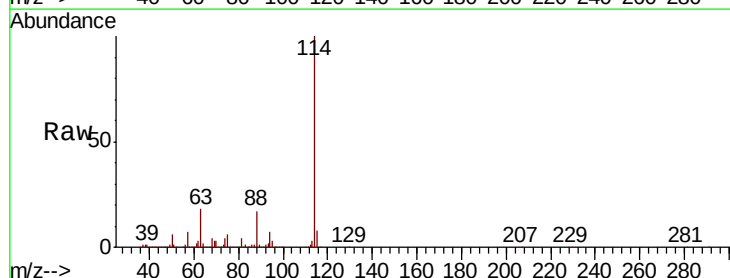
Tgt Ion: 63 Resp: 925793

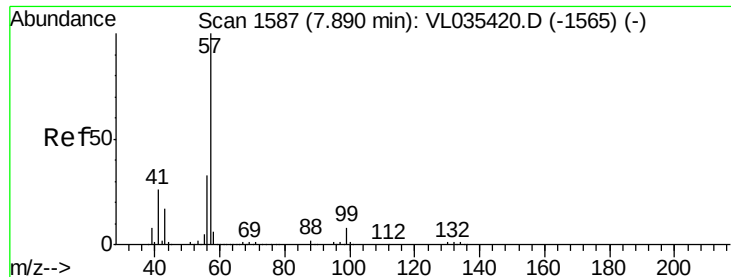
Ion Ratio Lower Upper

63 100

41 0.0 61.1 91.7#

62 17.9 55.3 82.9#

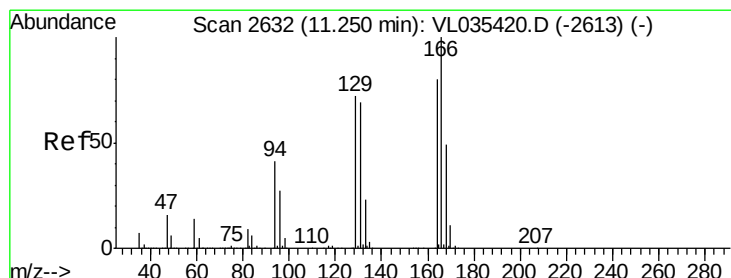
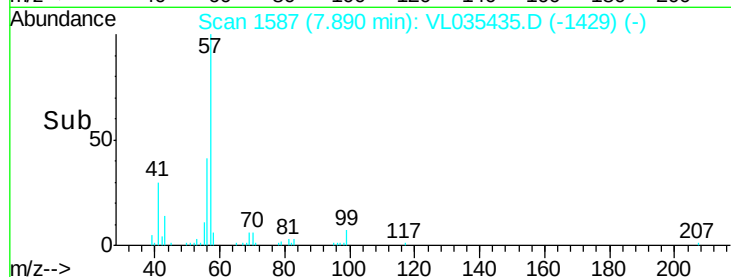
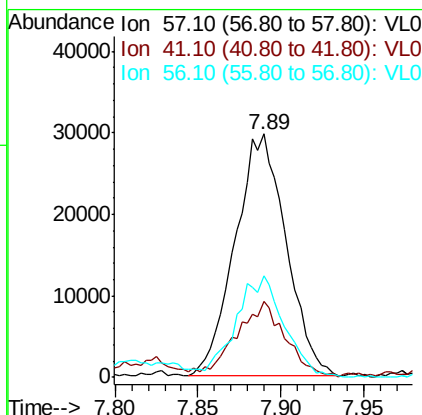
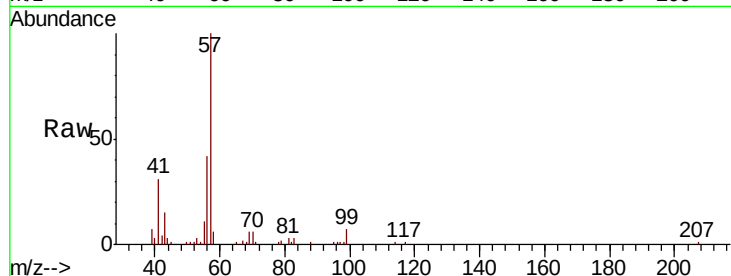




#44
 2,2,4-Trimethylpentane
 Concen: 0.124 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VL035435.D
 Acq: 18 Aug 2020 3:10

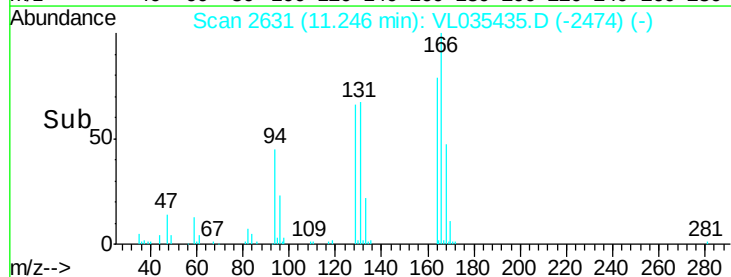
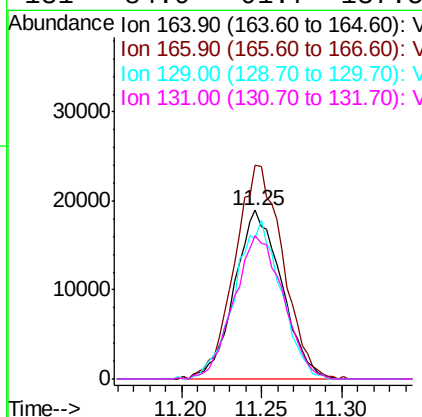
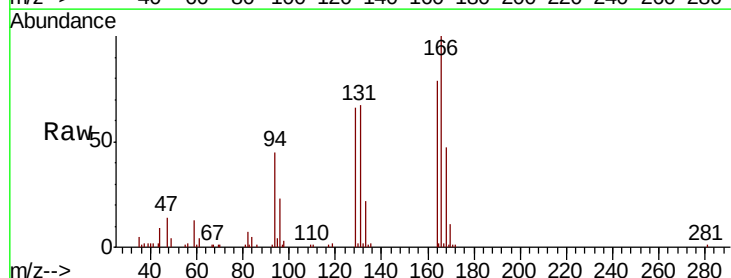
Instrument :
 MSVOA_L
 ClientSampleId :
 DR-1DL

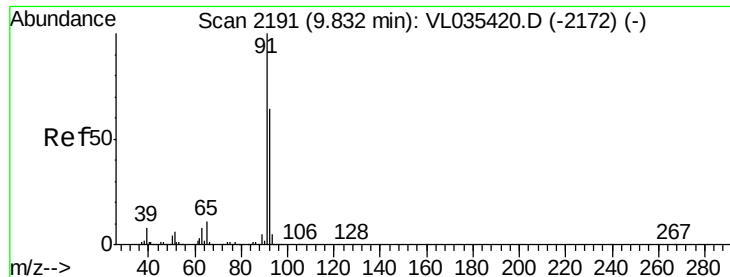
Tot Ion	57	Resp	63568
Ion Ratio	Lower	Upper	
57	100		
41	28.7	27.2	40.8
56	40.0	25.4	38.0#



#52
 Tetrachloroethene
 Concen: 0.159 ppbv
 RT: 11.25 min Scan# 2631
 Delta R.T. 0.00 min
 Lab File: VL035435.D
 Acq: 18 Aug 2020 3:10

Tgt Ion	164	Resp	38079
Ion Ratio	Lower	Upper	
164	100		
166	126.5	103.4	155.0
129	83.1	90.2	135.4#
131	84.9	91.7	137.5#





#53

Toluene

Concen: 0.624 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

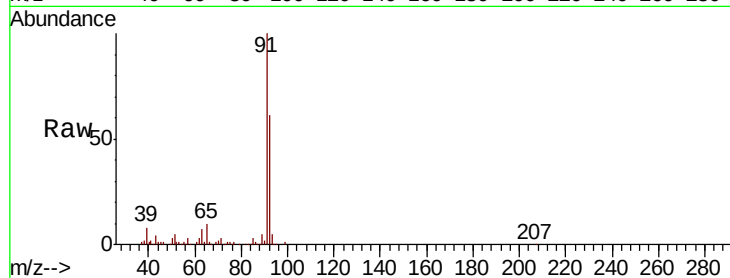
DR-1DL

Tot Ion: 91 Resp: 316289

Ion Ratio Lower Upper

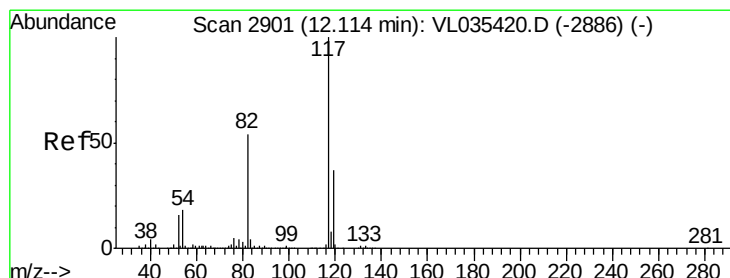
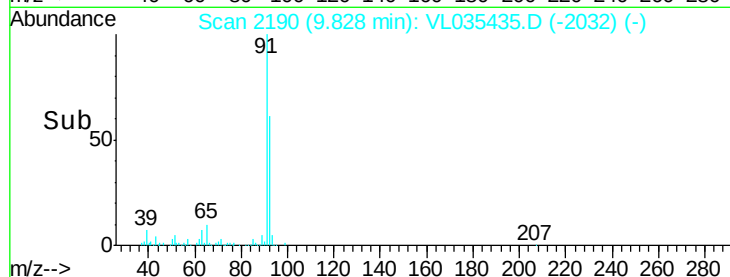
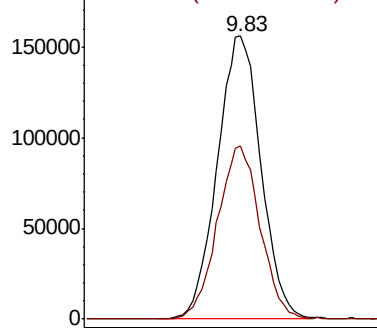
91 100

92 60.2 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

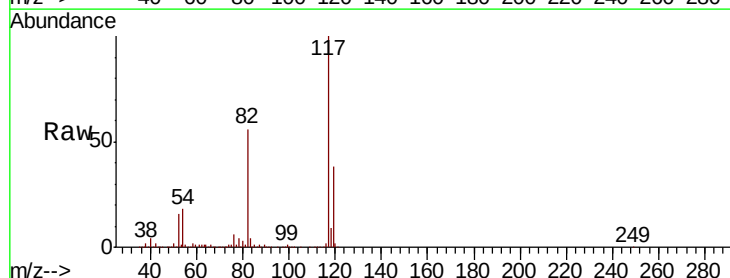
Tgt Ion: 117 Resp: 5304460

Ion Ratio Lower Upper

117 100

82 52.9 57.4 86.0#

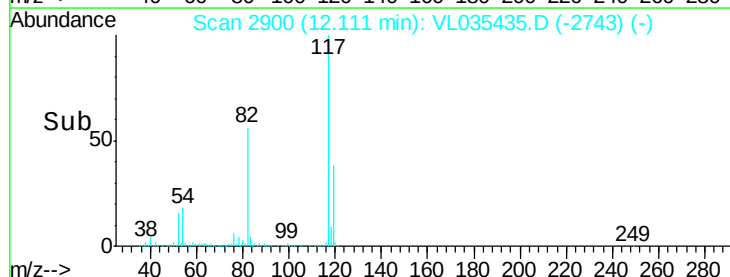
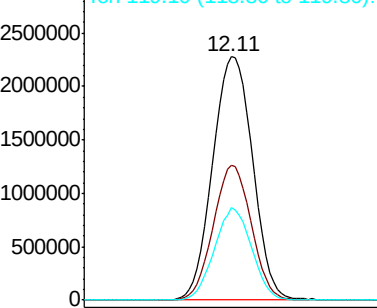
119 35.5 28.4 42.6

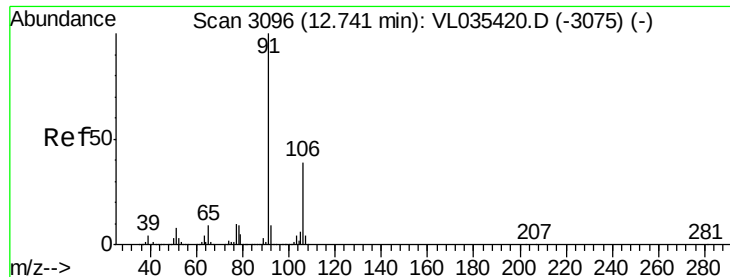


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.272 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

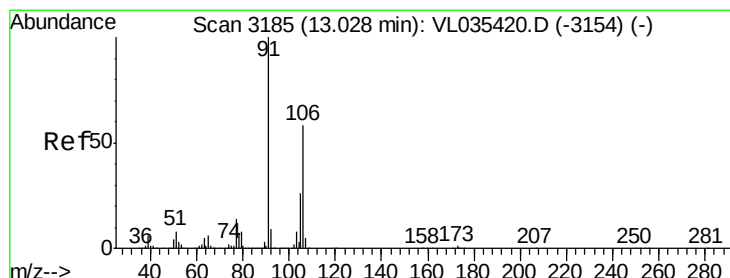
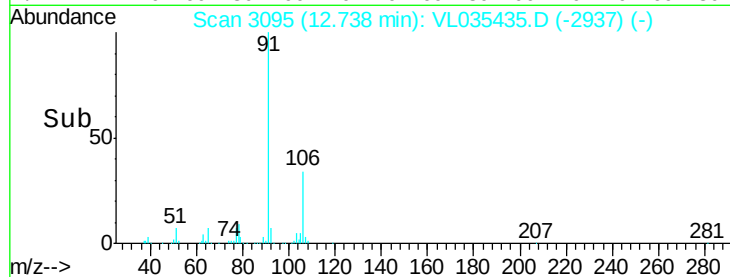
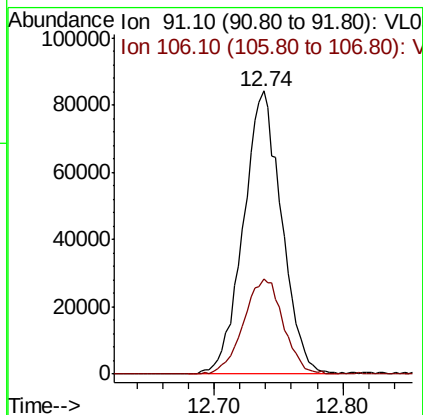
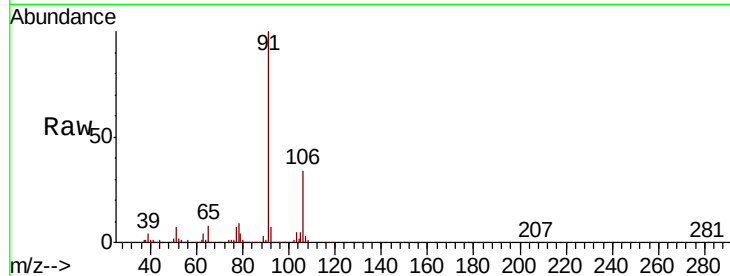
DR-1DL

Tot Ion: 91 Resp: 174314

Ion Ratio Lower Upper

91 100

106 33.5 24.1 36.1



#59

m/p-Xylene

Concen: 0.955 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035435.D

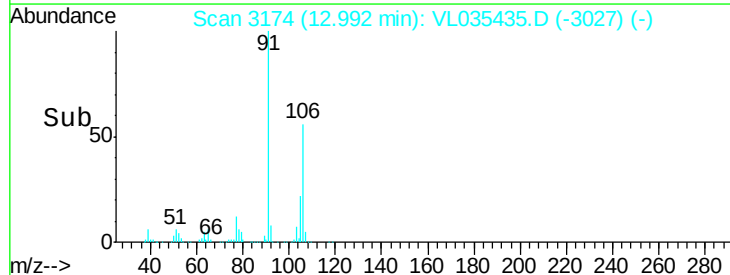
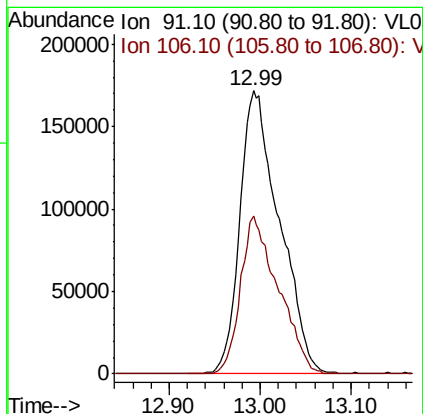
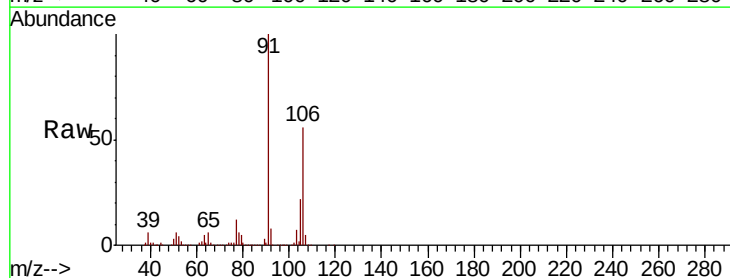
Acq: 18 Aug 2020 3:10

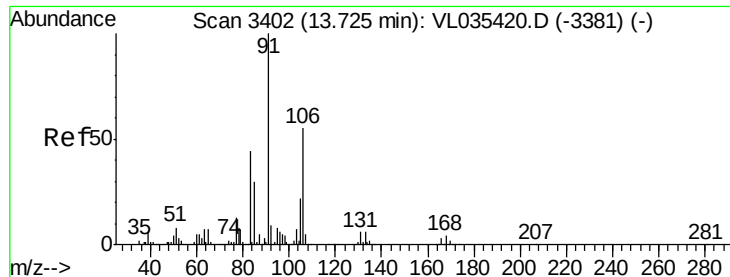
Tgt Ion: 91 Resp: 516855

Ion Ratio Lower Upper

91 100

106 53.3 34.0 51.0#





#60

o-Xylene

Concen: 0.435 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

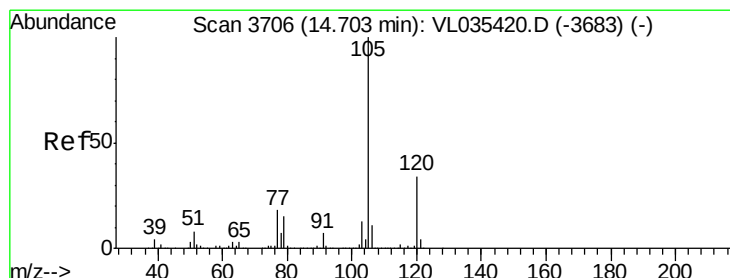
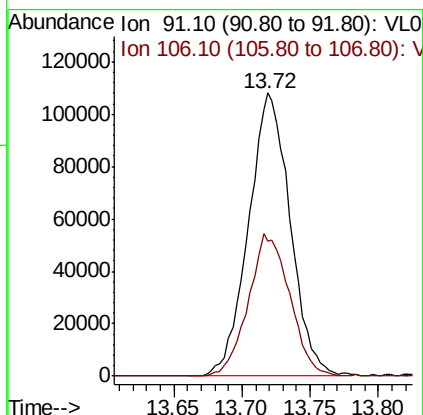
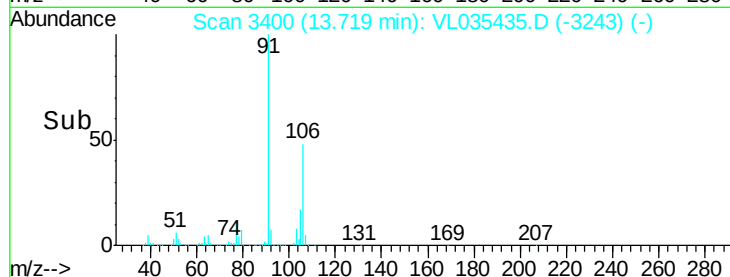
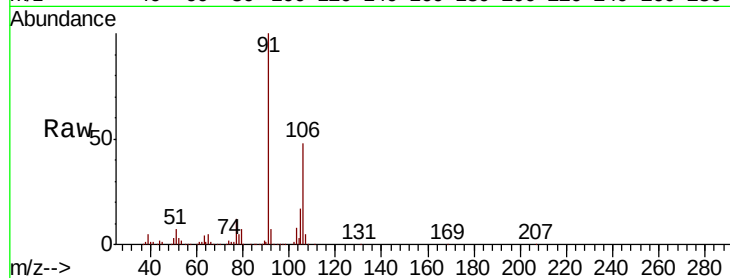
DR-1DL

Tot Ion: 91 Resp: 228630

Ion Ratio Lower Upper

91 100

106 50.1 21.8 65.3



#62

Isopropylbenzene

Concen: 0.042 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035435.D

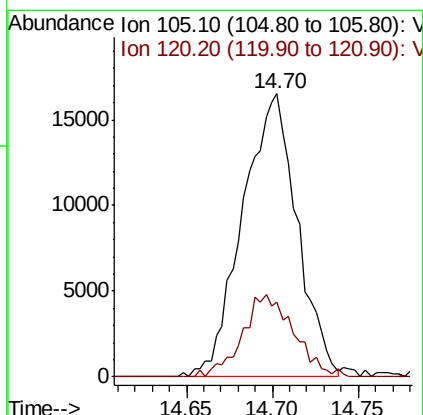
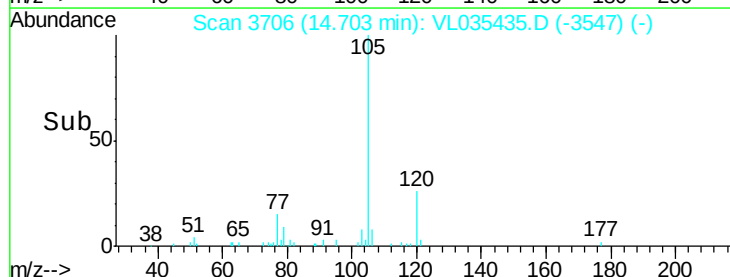
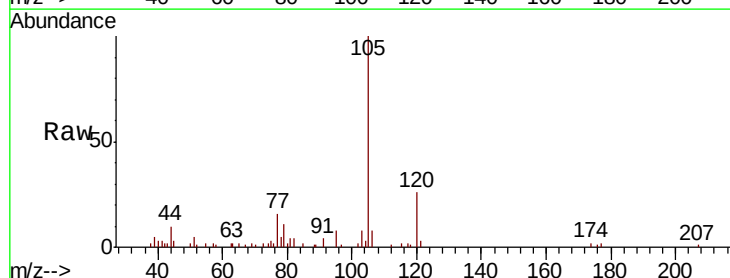
Acq: 18 Aug 2020 3:10

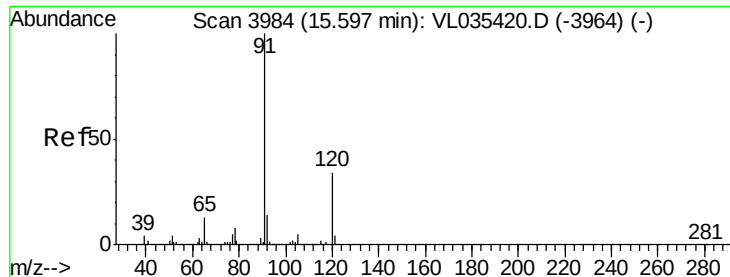
Tgt Ion: 105 Resp: 36272

Ion Ratio Lower Upper

105 100

120 27.5 20.3 30.5

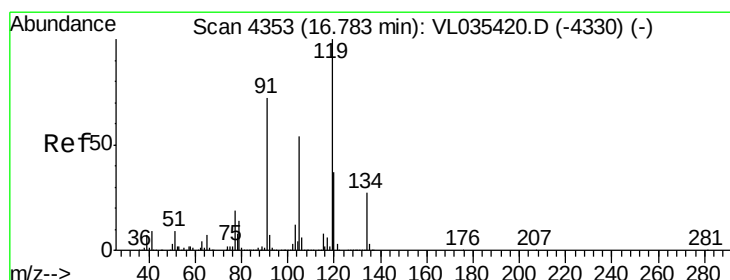
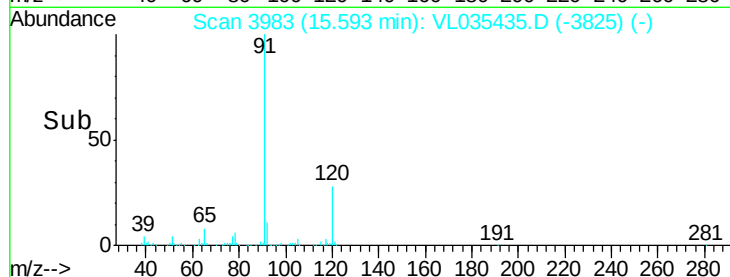
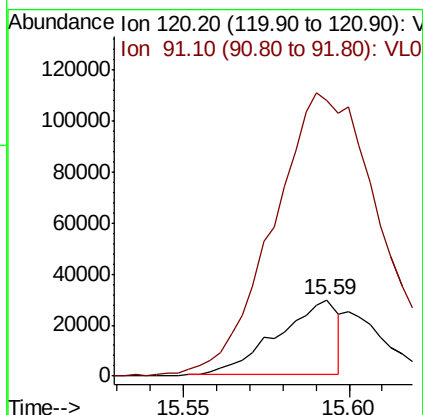
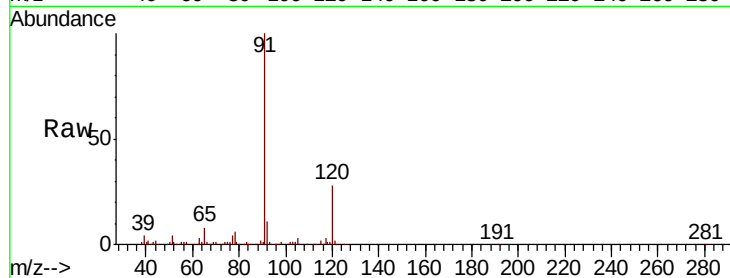




#64
n-propylbenzene
Concen: 0.140 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.01 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

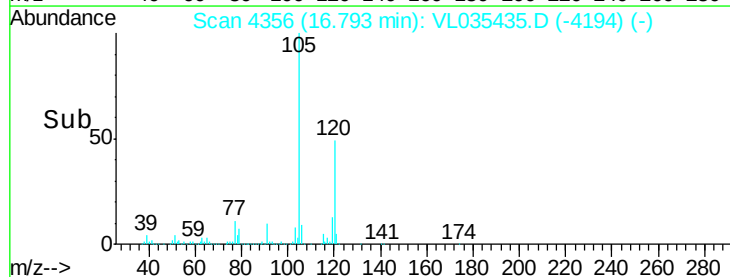
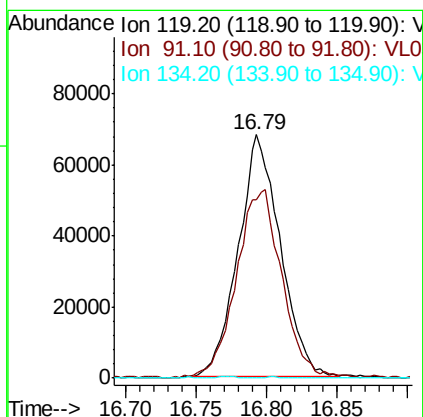
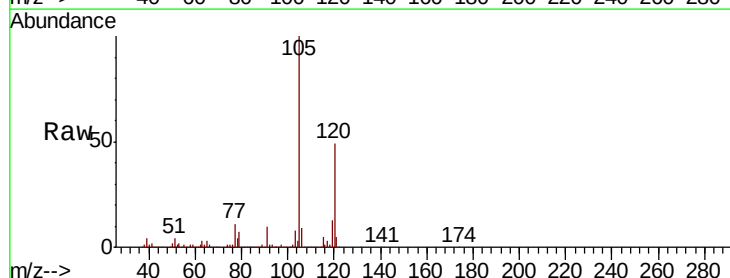
Instrument :
MSVOA_L
ClientSampleId :
DR-1DL

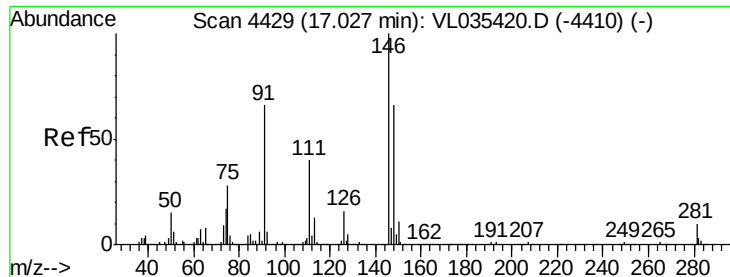
Tot Ion:120 Resp: 37101
Ion Ratio Lower Upper
120 100
91 667.5 385.5 578.3#



#65
tert-Butylbenzene
Concen: 0.169 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.02 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

Tgt Ion:119 Resp: 141878
Ion Ratio Lower Upper
119 100
91 84.6 72.0 108.0
134 0.8 15.7 23.5#

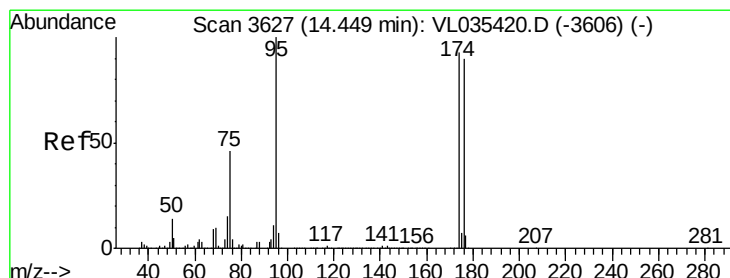
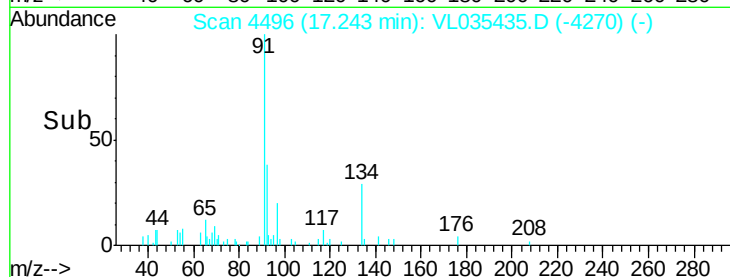
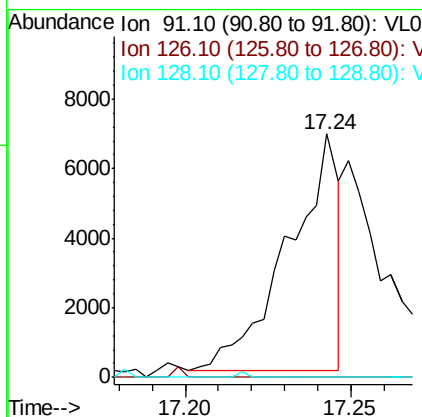
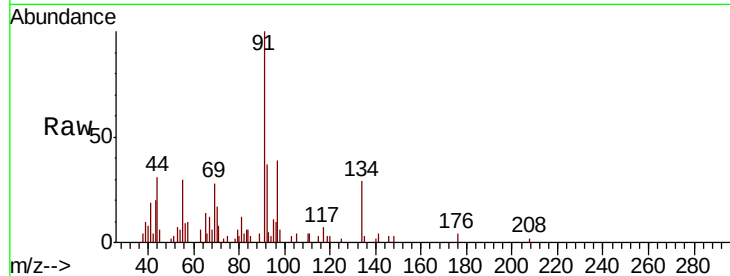




#66
Benzvl Chloride
Concen: 0.036 ppbv
RT: 17.24 min Scan# 4496
Delta R.T. 0.23 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

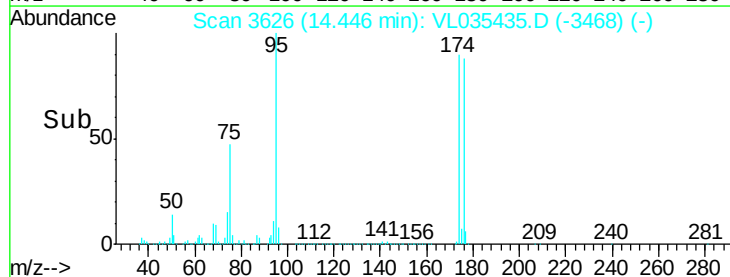
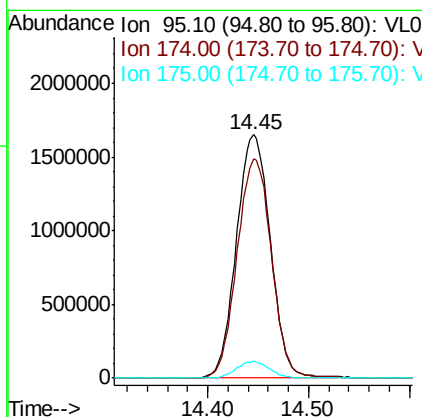
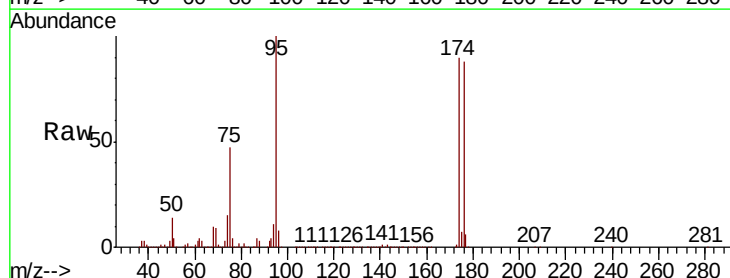
Instrument :
MSVOA_L
ClientSampleId :
DR-1DL

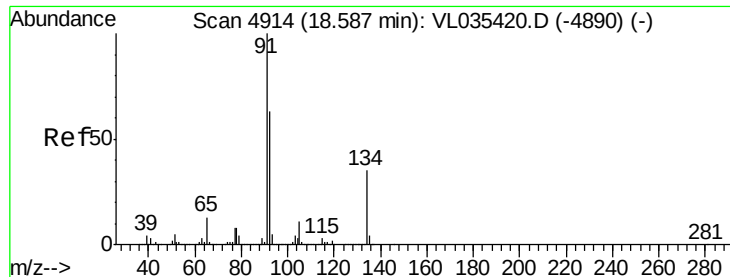
Tot Ion: 91 Resp: 7236
Ion Ratio Lower Upper
91 100
126 0.0 13.3 19.9#
128 0.5 4.1 6.1#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.378 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.01 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

Tgt Ion: 95 Resp: 3854023
Ion Ratio Lower Upper
95 100
174 91.7 44.0 66.0#
175 6.7 3.2 4.8#

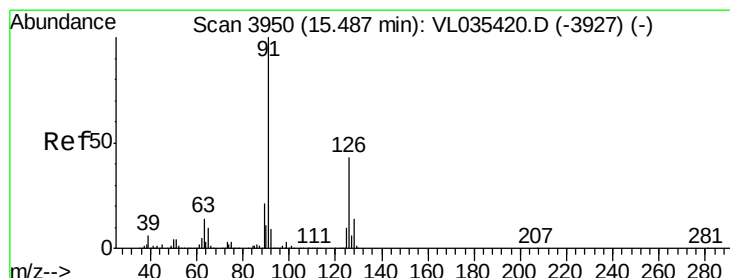
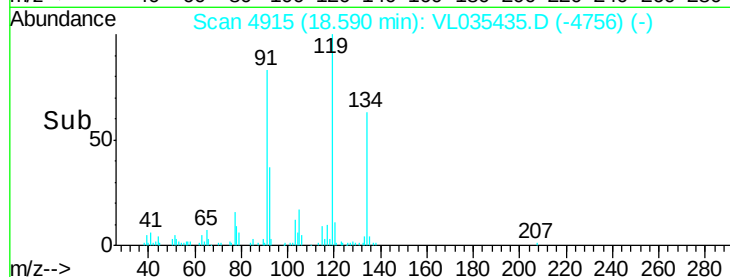
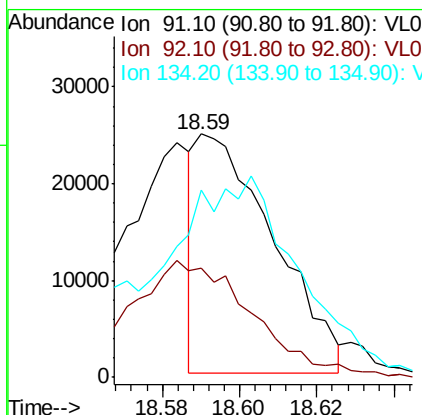
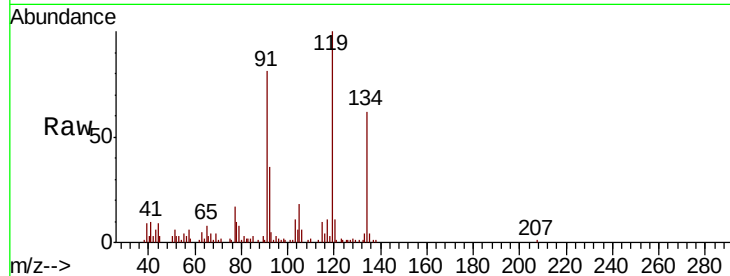




#70
n-Butylbenzene
Concen: 0.037 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.01 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

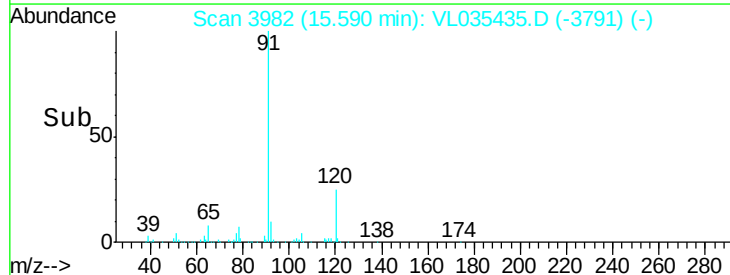
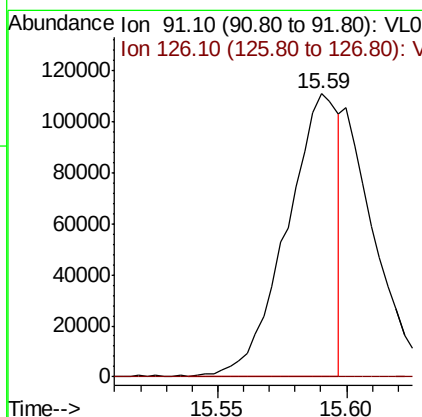
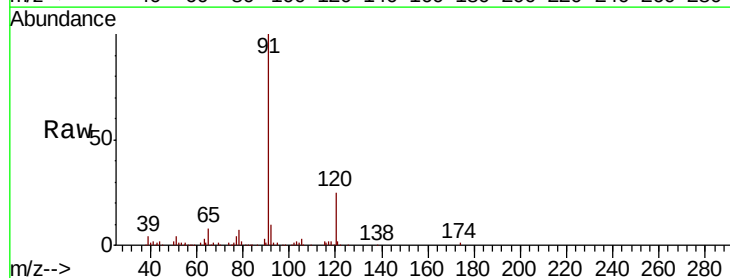
Instrument :
MSVOA_L
ClientSampleId :
DR-1DL

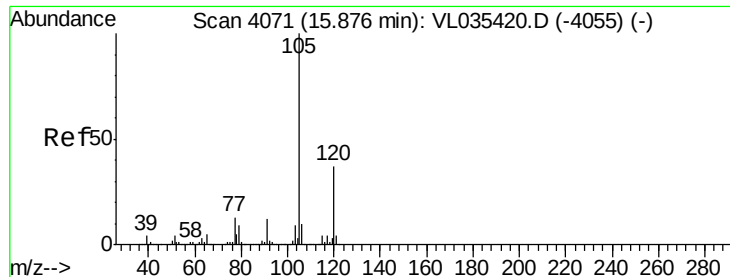
Tot Ion: 91 Resp: 34013
Ion Ratio Lower Upper
91 100
92 0.0 44.8 67.2#
134 145.4 17.3 25.9#



#71
2-Chlorotoluene
Concen: 0.245 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. 0.11 min
Lab File: VL035435.D
Acq: 18 Aug 2020 3:10

Tgt Ion: 91 Resp: 153437
Ion Ratio Lower Upper
91 100
126 0.8 11.4 45.6#





#72

4-Ethyltoluene

Concen: 0.537 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

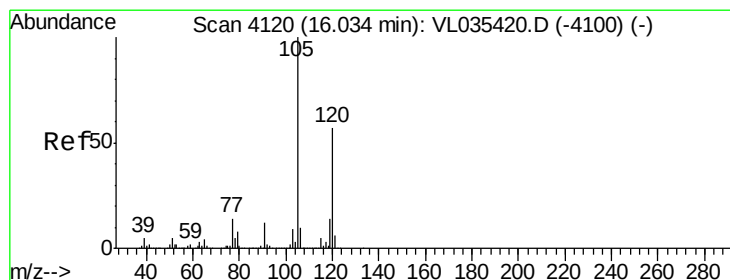
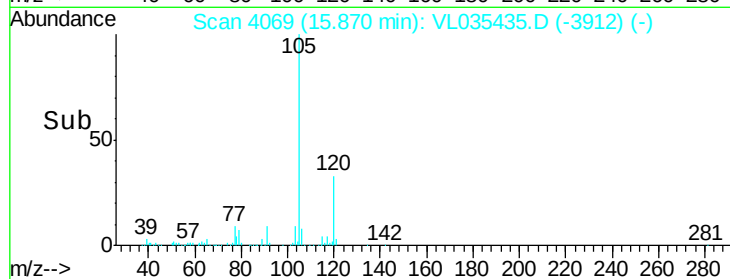
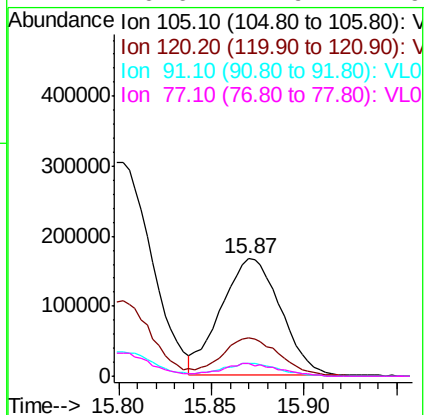
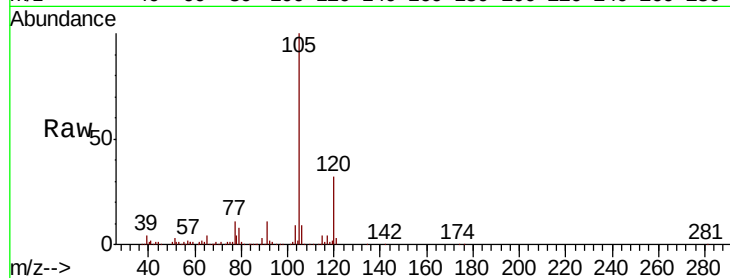
Instrument :

MSVOA_L

ClientSampleId :

DR-1DL

Tot Ion:	105	Resp:	370934
Ion	Ratio	Lower	Upper
105	100		
120	33.1	22.7	34.1
91	11.3	10.8	16.2
77	10.6	11.9	17.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.456 ppbv

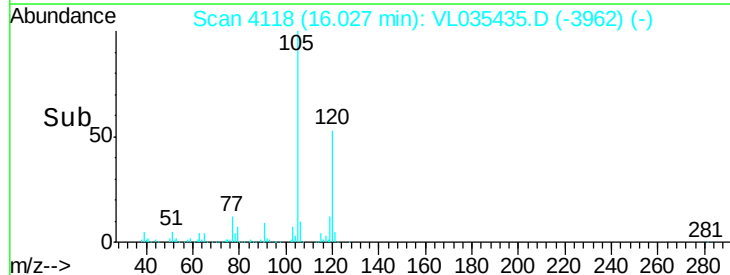
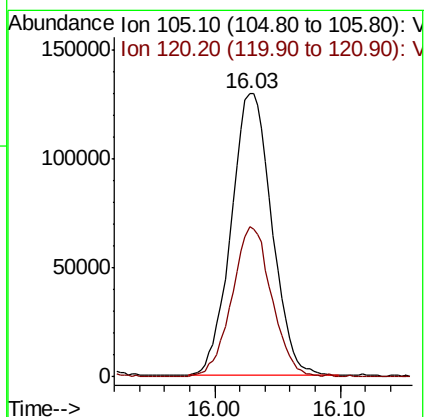
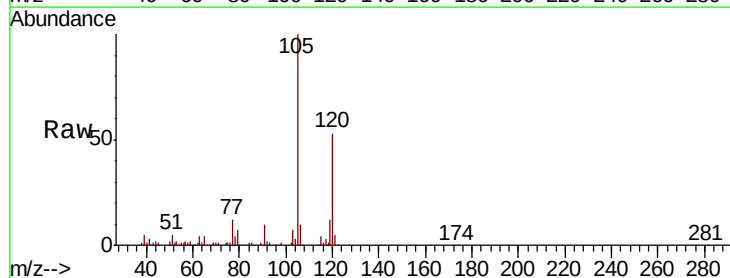
RT: 16.03 min Scan# 4118

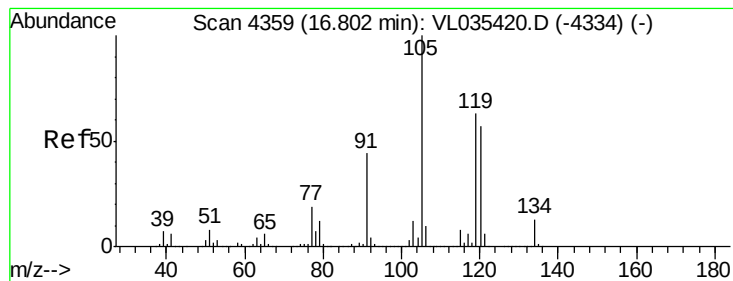
Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Tgt Ion:	105	Resp:	292735
Ion	Ratio	Lower	Upper
105	100		
120	53.1	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 1.681 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

Instrument :

MSVOA_L

ClientSampleId :

DR-1DL

Tot Ion:105 Resp: 1173647

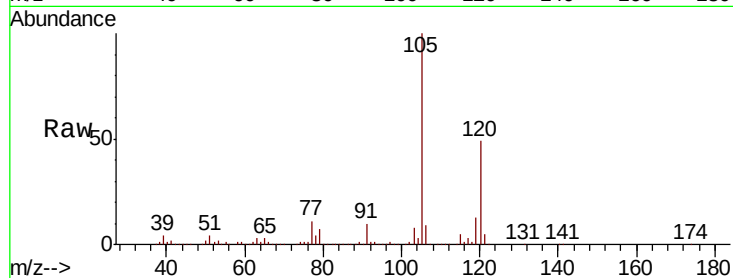
Ion Ratio Lower Upper

105 100

120 49.1 37.8 56.8

91 9.7 40.0 60.0#

77 11.1 18.8 28.2#

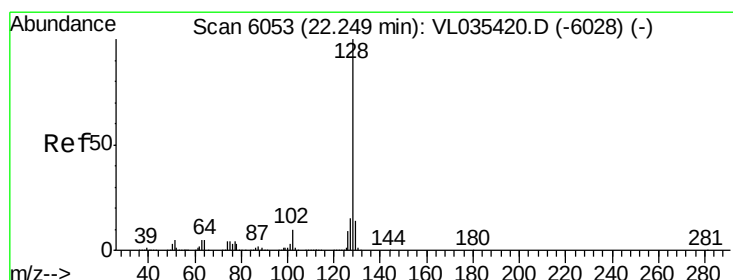
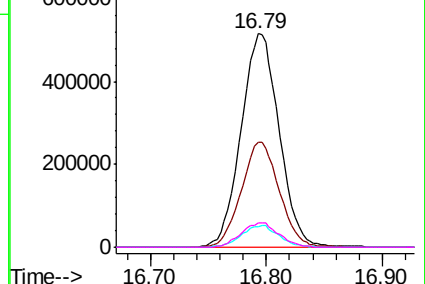
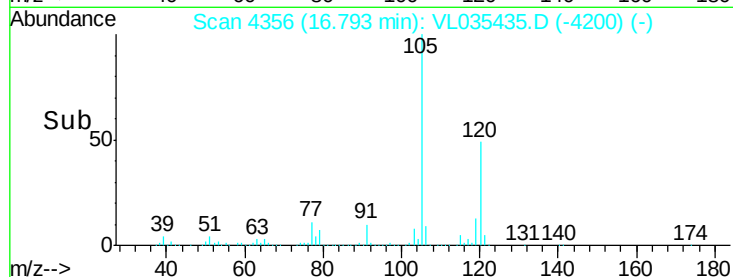


Abundance Ion 105.10 (104.80 to 105.80): V

800000 Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.061 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035435.D

Acq: 18 Aug 2020 3:10

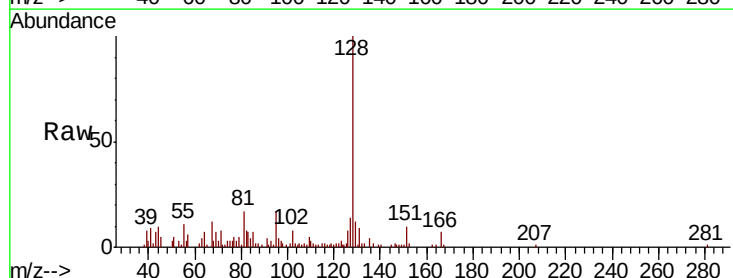
Tgt Ion:128 Resp: 60406

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

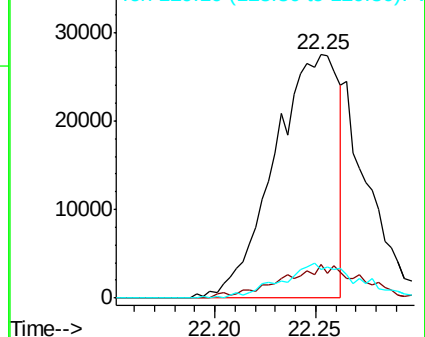
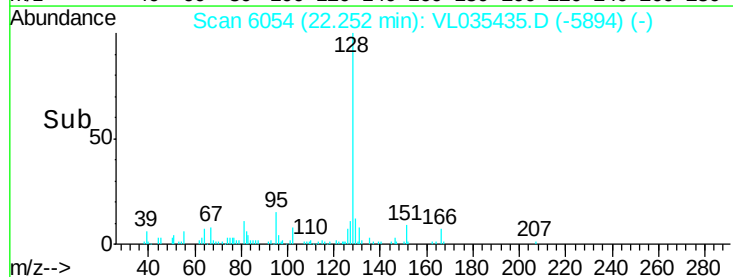
129 11.7 9.5 14.3

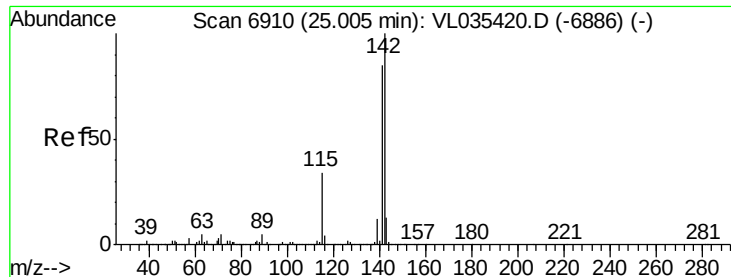


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

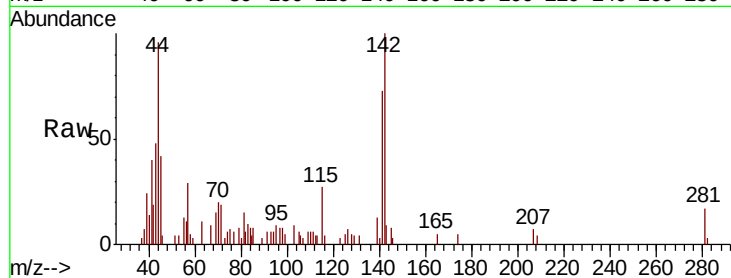




#80
 Naphthalene, 2-methyl-
 Concen: 0.030 ppbv
 RT: 25.01 min Scan# 6911
 Delta R.T. 0.01 min
 Lab File: VL035435.D
 Acq: 18 Aug 2020 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 DR-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	75.4	67.1	100.7
115	37.5	36.1	54.1



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

